<210> 7144
<211> 383
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013f09b1

<400> 7144

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ctgatatact gatgcaaggt gctctagatg tgtctggtct tcagtataac ccgccatcag 120

tttcggatca tgtgtatccg aacacaacac agccaagtat aatggagagc caacaaggaa 180

acgctcaagc acaacatctt tcccattttt caagcttgct ggcacagcaa gctaacactc 240

tgcaaagcaa cttcttgggg tcaaatctta cccagcaccg ggattttgac ttttcaccat 300

ttttatcagc acagtcagct atgaaatata acccagctgt gccaactacc agttacccaa 360

tctccatgca ggagaattta aac 383

<210> 7145
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013f10b1

<400> 7145

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tgtccgaact aagccccaat cccgtcacca ccgccgctgg tgctcggcgc gatggcgcag 120

aaggacgccg ccaatggcaa cggcgccacc acgcgcccgc cgcccactcc ctcccccatc 180

cgcttctcca agttcttcca ggccaacatg cggatcctgg gcaccggcgg agctggcttc 240

atcggctcgc acctcgtcga caagctcatg gagaacgaga agaacgaggg cattgttgct 300

gacaactttt tcactggggc aaaagacaac ctgaagaagt ggatcggaca cccaagattt 360

<210> 7146
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013f11b1

<400> 7146

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cgggtactgc aacgagcagg cggagatgat acttgtgtac gagtacatgc agagaggctc 120

gctgcgacaa cacctgtacg gctccggcga gccggcactg ccggcactgt cgtggaagca 180

gcggctggag atctgcatcg gggtggcgat gggcgtgcac tacctgcacg caggctgctc 240

ggagaacatc atccaccgcg acatcaagtc gaccaacatc ctcctgggcg acagcaaccg 300

cggcatgata gccaaggtag ccgacttcgg gctgtcgctc accgggccgt cgttcgggca 360

cacgcacgtg agcacgattg tgaaggggag cttcgggtac ctggacccgg agtact 416

<210> 7147
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013f12b1

<400> 7147

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agaccatcac gctggaggtg gagtcctcgg acaccatcga caacgtgaag gccaagatcc 180

aggacaagga ggggatcccg ccggaccagc agcgcctcat cttcgccggc aagcagctcg 240

aggacggccg caccctcgcc gactacaaca tccagaagga gtccaccctt cacctggtgc 300

tccgcctccg tggtggcgcc aagaagcgca agaagaagac gtacaccaag cccaagaagc 360

aaaagcacaa gcacaagaag gtgaagctcg ccgtcctcca gttctacaag gtcgacgacg 420

ccaccggca 429

<210> 7148
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013g01b1

<400> 7148

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gagaaagaca aggacggcga cgagcaggac ggccaggacg agagcatctg cccgctggac 180

tggcagctga acggcgccat cctggacgac gagatcaacg aggccatcgt tcgcccgctc 240

gtgcagggcg tcaggctcca cgccatcatt gacgcctgcc gcagcggcac cgtccttgat 300

ctccccaacc tctgccagat caaaaagaac gggaaacccc tgtggattga tca 353

<210> 7149
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013g02b1

<400> 7149

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cgacgtcccg gaggacgcca acgcccattg ccctggaacg cagtcggagg aggcagggaa 180

ggccgattcc tgcgccgggt gcccgaacca gcagatttgc gccaccgccc ccaagggccc 240

cgatcctgac ttggttgcta ttgctgagcg gatggctact gtgaaacaca agatactggt 300

tttgtcagga aagggaggtg ttggaaagag cacattttc 339

<210> 7150
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013g03b1

<400> 7150

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ttcatcgtcg tcagcaccgt ctccctgctc ttcgaccgcg gccacgagtc gcaggtgcag 120

ctggcggtgc agcaccggca ccaggaggtg aaggtggccg cggccgggag ccgcgaggcg 180

caggtgcagt ggacggacga gctcatgggc gaggccgcga ggggctccgg cgaggagtgc 240

aactggtccg tggggcggtg ggtgtacgac aacgcctccc agccgctcta ctccggcctc 300

aactgctcct tcatcttcga cgaggtcgcc tgcgagaagt atggccggaa tgac 354

<210> 7151
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013g04b1

<400> 7151

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tctttctcta tatgccagtg gtcgtactac aggtattgtg cttgattctg gtgatggtgt 120

gagccatact gtgccgattt atgagggata tgcacttcct catgctattc tccggctgga 180

tcttgcgggc cgtgatctga ccgactccct gatgaagatc ctcacggaga ggggctattc 240

cttcaccaca actgctgagc gggaaatcgt aagagatata aaggagaagc tcgcctacgt 300

cgcccttgac tacgagcagg agctggagac cgccaagagc agctcgtccg tcgagaagag 360

ctacgaactg cctgacgggc aggtcatcac gatcggcgcc gagaggt 407

<210> 7152
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013g05b1

<400> 7152

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gcagaacacc ccgcaggact tcgtcaacct gcacaaccgc gcccgcgccg tggacggcgt 120

cggccccgtg gcatgggaca acaacgtggc caggtttgcg caggactggg cggcgcagcg 180

cgccggcgat tgccggctgc agcactccgg cgggccgttc ggcgagaaca tcttctgggg 240

ttccgggcag tcgtggacgg ccgccgacgc ggtgaagctg tgggtggacg agaagcagaa 300

ctaccatctt gacagcaaca cctgcgacgc cggcaaggtg tgcgggcact acacgcaggt 360

ggtgtggcgc aggtcgaccc gcatcggct 389

<210> 7153
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013g06b1

<400> 7153

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ggaagccagg aacggcaaag caggcggcgc ggcggcggct ccatcgtgac gacaagaaat 120

ggccaccgcc ctccgccctc cccggctccc agttccagag caagcctctt cacttcatcg 180

cctaccaaag tacagagttg ccgtcactgg gcgtaggagc ttcgccgcca gggccggctc 240

gtatccaggc aacgtgggcg tcccgaagca atggtacaac ctcatcgccg acctgccggt 300

gaagccgccg ccgatgctgc acccggggac gcaccagccg ctgaacccca gcgacct 357

<210> 7154
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013g07b1

<400> 7154

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catgctggcg gcgactggca tgatcatgct ggcggcgctg gcgatcctca ctccgtccgc 120

ccgagggctc gaccgcgccg atttcccgcc ggtgttcctc ttcggcgtcg cgacgtctgc 180

ttaccagatc gagggcgcgt acctggagga cggcaagggc ctcagcaact gggatgtgtt 240

cacccacaca cctagaagaa ttaaggatgg acggaatggg gacatagcgg atgatcacta 300

ccatcgttac atggaggacg tggagattat acatagtttg ggggtcgact cctacaggtt 360

ctcaatctca tgggcgagaa t 381

<210> 7155
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013g08b1

<400> 7155

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ccgtccgtgg tcaccgcgtc acaccatgac atactaacat ctgtttttgg gagcaaggat 180

gaagccttga ggtccatagt ttacagttac aagcatggat tttctgggtt cgcagcgatg 240

ctcaccaagt ctcaagctga cgcaattgca aaatttcccg aagttgtcac tgtgaagcct 300

aacacttttc atgaaacaca cacaactcgg agctgggac 339

<210> 7156
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013g10b1

<400> 7156

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ccgtctccgc ctcctctcgc ctagcatcct ctcccaaacc ccaagctagg agccctccgc 120

cgctctcccc tcccaaaccc ctcctcgcac ccgcccagat ccaagcgccc atcttccccc 180

acgccgccgc cgccgccgcc gccgggccga ccaagagggg gagcgatggc tccctattaa 240

tctccatttc cccttcctcc atcccctccg ccgctctccc ctcccaaacc cctcctcgca 300

cccgcccaga tccaagctcc catcttcccc tacgc 335

<210> 7157
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013g11b1

<400> 7157

tcttgccgac tgttccgttt atttaaccga gccgtcccat tcttggagag caagaagcac 60

gccaccacct cgcccaaaga atccccaccc ccgccgaccc cctcccctcc cctccccggc 120

cgaagacaga tccggcgacc gacaagccat ggtgtccaac ggggagctgt cgcagccgca 180

ggcgggggag tacggcctcg ccgtgatgcg ccgccggccc aagaccaaga tcgtctgcac 240

gctcggcccg gcctcgcgct ccgtcgacat gatcgaaaag ctgctgcgcg ccggcatgtg 300

cgtcgcccgc ttcaacttct cccacggctc ccacgactac caccaggaga cgctcgacaa 360

cctgcacgcc gtcatggagc gcaccgggat cctctgcgcc gtcatgctcg a 411

<210> 7158
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013h01b1

<400> 7158

ttcttgaccc ccgcactcaa cctcgccgga ggctgcgatc cgatgtacgg caacggcaac 60

gtcttcagct ccgacatcac gacgtgccag tccaacggcg ttgaggtgct cctctctctc 120

ggcggtggcg ccggcagcta cggactatcc tccaccgagg acgcgcagag cgttgccacc 180

tacctgtggg acaacttcct cgggggcagc gcgtcgcacc gcccgctcgg cgacgccgcc 240

ctggacggca 250

<210> 7159
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013h02b1

<400> 7159

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gtatcgccgc cgatacggcc aattatgtgg tggaacgtgt tggcagcttc acgctgtaca 120

acccgaagtc gacgcgtcgt tggggcggcg gttccaccaa tctgtgcggc ggatcgcgcg 180

cgattcagtc caaagcgccg agcggtttgg gtttctaccg cgaagtcgac ttcaccgctc 240

cggccggtta cgtcgagttc cgcggctaag cgttgcgctg aacagtgctc aacaactgcc 300

gcagccgaag gcaaatccca gagcgccaac ggccaaaccg ccggcgcagt aaacagcggc 360

gaa 363

<210> 7160
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013h03b1

<400> 7160

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ctcgtcgagc gcgcgttttc caggagcttc aggtgccggc ggcgccatgg cttcggagac 120

cgagaccttc gccttccagg ccgagatcaa ccagctgctc tcgctcatca tcaacacctt 180

ctactccaac aaggagatct tcctccgcga gctcatctcc aacgcctccg atgcgttgga 240

taagatcagg tttgagagcc tgactgacaa gagcaagctg gatgctcagc cagagctgtt 300

tatccatatt atccctgaca aggccacgaa cacactcact cttatcgaca gtggtattgg 360

tatgacaaag tcagacc 377

<210> 7161
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013h04b1

<400> 7161

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aacggacggg ctttacgttt tcttgttccc actttttggt ttgttccaac caaccaggct 120

atgttcaagc tcttttagcg acaggtttgg agtttgcttc gggttaatta gatcatggaa 180

accttggttg ttgaccttct agctatgtac gtgtctcgat cgatctgggg gtagtagcta 240

gctagcttgt tgcgcaagaa ctgatacatg catgcatgca cagatgggca tgagtttgct 300

ggcatgatgg ctggcaagct atatggtg 328

<210> 7162
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013h05b1

<400> 7162

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gcttgcttcc aaacgcgacc tcatcagagc aagacccgga ggaaacaagg agaggccaga 120

gcggcctgtc acaaggcaaa ggacagagga ggtgcttgtt caggtctcct gctagatccg 180

gaggcgatgg gcaggggcgt gctggaggtg catctcgtcg acgccaaggg cctcttcggc 240

agcgatttcc tagggaagat cgacccgtat gtaatcgtgc aataccggag ccaggagcgc 300

aagagcagca cctccagaga tgaggggagg aacccgagct ggaacgaggt gttccggttc 360

cagatcaact cctctgcggc caacgggcag cacaagctct tcctccggat catggaccac 420

gacaac 426

<210> 7163
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013h06b1

<400> 7163

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cccagctgaa gatgtgcccg ttgaccagtt caccccctctc ggtcggatgc tttacaaggc 120

accatctgat gggaaatggg gcgaacatga gctggactac ctgctgttca tcgtgcgcga 180

ggtgaagctg gtcccgaacc cggacgaagt ggccgacgtg aagtacgtga gccgggagca 240

gctgcgggag ctcatccagc aggcggacgc cggcgagggc ggcgtgaagc tgtccccttg 300

gttcaggctg gtggtggaca actctctcat gggctggtgg gagcacttgg agaaaggcac 360

<210> 7164
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013h07b1

<400> 7164

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ttcatgacaa cgtcggatcc ttggaggatg aggtgaccag gctcaaggaa gaaattgacg 120

tgacaagtga acgtcttgat gctgcagaga aagatgcagc cgacctaatt gcagagatcg 180

aagagctaag gttgaagcta caggcagtag aagatgagaa agcagaggcg ctgaacaatg 240

accagcttgc aagttcagaa atcgcggccc tgactgaaca aaagaacgag ctagccaagg 300

agctagaagc tagcaaagat gaagttgaga aggttaagaa ggcaatggag ggtctggcct 360

ctgccttgca cgagatgtca gctgaat 387

<210> 7165
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013h11b1

<400> 7165

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gcgaggagct ctccgacgtg ctgctctacc tgatccgtct ctccgacatg tgcggcgtcg 180

acctcggtga cgcggccctg aagaagatcg tgaagaacgc cgtcaagtac ccggcgccgt 240

caaagagcgc ctgatgagcg aacgcctaat atgatctgcg gagggattgt ctacttttt 300

gcagtttgag aacgtgaagt tccggcaaac ttgtggtcgg ttgggtcaag ttaaattgtg 360

a 361

<210> 7166
<211> 55
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015a01b1

<400> 7166

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<210> 7167
<211> 466
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015a02b1

<400> 7167

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ggactggatg gtgggggtgc gccggcggat ccacgagaac cctgagctcg gctacgagga 180

gtttgacacc agtgagctcg tgcggcgcga gctcgatgcc atggggatcc cctacaggca 240

tcccttcgcg gtcaccggcg tcgtcgccac cgtcggcaca ggcggcccgc ccttcgtcgc 300

gcttcgggcc gacatggacg cgctccctat gcaggaaagc gtggaatggg aacataagag 360

caaagtgcct gggaagatgc atggatgtgg ccatgatgca catgttgcta tgctattggg 420

ttctgctaag attcttcagg agcaccgtga cgagttgaag ggtact 466

<210> 7168
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015a03b1

<400> 7168

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actgggtatg atctgtccgt caccactttc tccccggacg gacgtgtctt ccaggtcgag 180

tatgctggca aggccgtcga caacagcggg acgatcgttg ggatcaaatg caaagatgga 240

attgtccttg gtgtggagaa gctgataaca tcaaagatga tacttgctgg gtcgaaccgg 300

agacttaatt ccgtgcaccg 320

<210> 7169
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015a07b1

<400> 7169

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ccgggatcct ccacaggtcg gcggcggcgg gcctggagac gcggatgccc ctgcacagcg 180

cggcgtcggc ggcgcgcctc ggatcctgca tcacccgaga tggcgacaat gctttctcat 240

ggaactccag gcgcatgttc agttcaaatg agaaacatct gcctgcaata tctgacccga 300

aaattgagac tgcatttaag gatttgatgg ctgctagctg gaacgagctt ccaggttctc 360

ttgtggagga agcaaagaaa gcagtatcta tggctactga tgataaggct ggtcaagaag 420

cttt 424

<210> 7170
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015a09b1

<400> 7170

tcgcgcgcgg cgcctcctct cctctcttcc cctcccccct cgccgccgcc gtcgcgccag 60

cgcctcctcc accaccgctc gtcctcctat acacaggtgc ggaggaggag atgttggtgc 120

tcttcgagac gcccgcgggg ttcgccctct tcaaggtgct ggacgagggg aagctcagca 180

gcgtcgagga tctgtggaag gactttgcct cgtcggacaa agcaaggaag gtggttgagc 240

tgaaggcttt caacaagttt gaaaatactt ctgatgctct ttcagccgca actttgctga 300

ttgatagcaa gcccagcaag ggtctgcgca agttcctgca gaagcactgt gatggtg 357

<210> 7171
<211> 405
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189015a11b1

<400> 7171

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gagcgggcac tggacgcggc tgcggacgct cggctgcggc gcgtcggggg ccgtggtgtc 120

gctggcggcc gacgccgcgt cgggggagct gttcgcggtc aagtccgtgc gcgcggcgga 180

cgcggcgcag ctgagccggg agcaggggat cctctccgcg ctctgctcgc cgcacgtcgt 240

cggctgcatc ggcgngcggt ggcgaccgcg acggctccta ccacctcttc ttcgagttcg 300

cccccggcgg ctcgctcgcc gacgaggccg ccaggaatgg gggccgcttg gaggagcgcg 360

ccatctgggc gtacgcggcg gacgtcctgc gcggcctggc ataca 405

<210> 7172
<211> 469
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015a12b1

<400> 7172

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ttgtcaagtt taacttgttg aaaccaataa ttgatgcctt tgtggaaaat ggggatagat 120

ataacatgct acaatccgga gtactcgaac tgttggaaca catacggaag gaaaatctaa 180

aacctcttgt tatttatgtt accgagtctt tctcagatca acttatgaag tttgaacact 240

tcgggagcat tcaggccttc aaactcaagt atcaacagta cttggagagt gccgatatga 300

aattaagtgc tagtgtgcct gacatgagaa agaaggcaga aggaagaggt cttgagaagg 360

aagaggaaga ttatttcaat gagagtgacg aggaagattc agtaaggcgg actaaacatg 420

cacacagtga acataatgaa gaaagcaagg atgatgtagc caatggaag 469

<210> 7173
<211> 438
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015b01b1

<400> 7173

tgctaatgtg cctgtgccat atgatgacgc cttttcattt ttgccgcata ccatgttgat 60

ggggtctaat cagggaacag caggtgatgg catgggtctg gaactcggcc agttgcatca 120

cgcaatttct caaggccatc caattcagcc agcaaatttc ggctacgata attggcatca 180

caaccgtgat ggtcagtatg ctgatgattt cactgaagac attcgcctga aaagccacga 240

actgctcgag ggtgacgaca tgcagcagct gctcagggtc ttcaatatgg gcggagcttc 300

tactggtttg ccagacgaaa cgttttcctt ccctttgcaa tctccattgc caaacccaga 360

cttggaaggt gagcccagcc gtccatcggg caaagccgtt gtcgggtggc tcaagataaa 420

ggctgctatg agatgggg 438

<210> 7174
<211> 459
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015b02b1

<400> 7174

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gccgacctct acgccctcct cgcccacaac tacgtcgagg acgacgagaa catgttccgc 180

ttcaactact ccccggcctt cctccgctgg gcgctccgcc ccccctcctt cttccgcgcc 240

tggcacattg gcgtccgggc caaggagtcc aagaagctcg tcgctttcat atccggctgt 300

ccccgcgcgc atccgtgcgc gcgacgacgt tgtccgcatg gccgagatca acttcctctg 360

cgtccacaag aaggctccga tccaagcgcc tcgcgccagt gctcatccgg gaggtcaccc 420

ttcgcgtcca cctggagaac atctggcagg ctgcctaca 459

<210> 7175
<211> 370
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015b03b1

<400> 7175

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tcctcccggg aaagttcttg gttgatctct tcctcctcga ccgcctccca ggttcttggt 120

gtagcttttg ccactctcac caggagattt catgtctgat cttgacgttc agatcccaac 180

tgcctttgac ccctttgccg aggcgaatgc tggggacgct ggtgcagctg ccggatcaaa 240

agactacgtt catgtacgca tccagcagcg taatggtcgc aagagcctga ccactgtcca 300

gggcctgaag aaggagttca gctacagcaa gatcctcaaa gacctcagaa agagttttgc 360

tgcaatggta 370

<210> 7176
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015b04b1

<400> 7176

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gggtcttatc cctgattatt tcctgagtaa cggccacctt gtcccagcag cgcctcccaa 120

caatggtgcc agtacttcca aaaatcaaac tactgcagaa tttggtgagc aacaaccatt 180

tctgcaggag agtggattcc cactggcaca gatctttgca aaaaatgttg ctgctccttc 240

gaatcaagaa ggaccaccat ttacacagtg cagttacgaa caggttgcac atcaagaact 300

atatcagcag gatccttcta tactgtgtaa tggaattcct ccctatttga cccatggaaa 360

catcaatggt caggggatca ttctcag 387

<210> 7177
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015b05b1

<400> 7177

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tactccgagt tccccctttgg cttcggggcc actggtttcg ggttctctca gcccgatcgt 120

cgcccttccg gatgtccaat ctgaaggggg taccacatga agttctgcaa gtgggaaatt 180

accatagaac tgtccgtcac gaccataaca agatagttga ggttccccag gaagttggta 240

ccattgagaa tctgcagccg ctgcggcgcc gtgtcctccc ccgcggccac accaggtcta 300

atattggata c 311

<210> 7178
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015b06b1

<400> 7178

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tgccgcatca gccgtcgccg tcgatggagg cggactacta caaggtgctc ggcgtcggcc 180

gcggcgccac cgacgacgag ctcaagaagg cctaccgccg cctcgtcatg aagtaccacc 240

cggacaagaa cccctccccg caggccgaca ccctcttcaa gcaggtctcc gtggcctacg 300

acgttctcag cgacccggat aagcgcgcca tctacgacca gtacggcgag gaggggatca 360

ag 362

<210> 7179
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015b07b1

<400> 7179

tcgcccacgc gtccgatttt catctttaag gaacaaactt gaattgcttc cacctggtgt 60

tctgattata ggatcccaca cccagatgga cagccgtaaa gagaaggcac atcctggtgg 120

atttcttttt acgaagttcg ctagtagcag ccagacgctc ttcgaccttt tcccagacag 180

ctttggtagt cggttgcatg aaaggaacaa agaaagcccg aaggcaatga aacatctaaa 240

taaacttttc ccgaacaaaa tttccatcca gcttccacag gacgaagcat tacttaccag 300

ttggaagcaa caattggatc gtgatgttga aacccttaaa gcaaaatcta acatcggtag 360

cattcgtacg tttttgaatc gcagtgcgat cgaatgcagt gaccttgaag aattattcat 420

aaagatcagt cactgactaa tgaaaatgtg gac 453

<210> 7180
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015b08b1

<400> 7180

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aaggaggagt tggaaagccg tcttgctaaa aacgaacggg aagtaagaaa gcgggagaaa 120

aaaataaatg agatagtcga caggatctac aaggatttta gcatgtcagt tggtgtgaag 180

aacattcgtg aatatgaaga aaagcaactg aaagatgctc aagcactgca ggagaggaag 240

ctaagtctga gcaatcaatt atcgaaactg aaataccagc tggaatatga acaaaagaga 300

gatatgcatg ctccgattgc aaagttaaac aacacacatg agaccctaga gaaggagctg 360

aagggcttgc aggagagaga aactcgtgct aaggctgatg ctgaacatat ttcaaatcag 420

atggaagagc tgaaggctga ggctgaagac tggaagttga agtcagat 468

<210> 7181
<211> 444
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015b09b1

<400> 7181

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ggaaagccat cgacaagtga atcttgggct gacaaagtta tatggaacca aggcaatctt 120

cttgaacctg cttcactgga ggatagtatg gatggtgtct ctgctgttgt atcctgtgtt 180

ggaggctttg ggtcaaattc tcaaatgttc aaactgaatg ggactgcaaa catcaatgcc 240

atcagggttg cagctgagaa aggcataaaa agatttgtgt atgtgtcagc tgcagacttt 300

ggtttagtga attacttatt gcaaggttat tatgagggca agagagctgc tgaagctgaa 360

ctgctgtcga agtttaccta tggaggaagt gatactgcgg cctggtttta ttcatggaac 420

tcgtcgagtg ggtagcgtga acat 444

<210> 7182
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015b10b1

<400> 7182

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gatcgtcgcc ctccgggacg ccaaactgaa ggtggtacca catgaagttc tgcaagtggg 180

aaattccctt agaactctgg atttgacaaa taacaagata gttgaggttc cccaggaagt 240

tggtaccatt gtgaatatgc aaaggctggt tttggctggt aatttgattg aaaacattcc 300

agctaatatt ggatacctg 319

<210> 7183
<211> 432

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015b11b1

<400> 7183

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ccgcggccac ctcgtccgcc tctcccctct tcggcgcacc cgccacctcc gccgcagcaa 180

ccacgcctag catattcggg gccgccacga ccacgcccag ccccttcggc gcaccggcca 240

cctcgtctgc ggccaccacc ccgagcctct tcggcgccgt ctcctccccc gcggccacac 300

caggtctctt cggtgcgacc accgccgccg ccagcacccc cagtattttc ggcgcttctt 360

ccgctgcgtc cactccaggt cttttctctg gcgccgccac gggcttcggc ttcggctcat 420

cggcatcagg ct 432

<210> 7184
<211> 412
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189015c01b1

<400> 7184

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cccgccatcc ggctgccgtc gcagcgcgcg gcggccgggc aggaggacga tgactccgtc 180

gggaccaagt gggccgtcct cgtcgccggc tccaagggct accagaacta ccgccaccag 240

atatctgcca cgcctaccag atcttgaaga aggggtggtc tcaaggatga gaacatcatt 300

gtcttcatgt atgacgacat tgcgcataac ccggagaacc cgaggccngg cgtcatcatc 360

aaccaccccc agggggggnag atgtctatgc tggggtccct aaggactaca ct 412

<210> 7185
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015c02b1

<400> 7185

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aggactcgga cgggttcaga cgtctggtct ctgagaagcc cgagtggccg gcgccggcgc 180

cggcgaagcg ggaggggctg gatggtttcg gccgggaggc gagcaacggg gaggaagacg 240

ggctggtgca gggcgagctg gctccgtgga gcgttctcag ccagctcggc gtcgagttgg 300

attctgacag ttcatatact gctctagtct atgggtcctc cgccattgtt gctatttgga 360

tatcatcgat aggtggtttc tgcacttgaa tcag 394

<210> 7186
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015c03b1

<400> 7186

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catcgtggtt attggccatg tcgactctgg caagtcgacc accactggcc atctgatcta 120

caagcttgga ggtattgaca agcgtgtgat cgagaggttc gagaaggaag ccgccgagat 180

gaacaagagg tctttcaagt acgcctgggt gcttgacaag ctgaaggccg agcgtgagag 240

gggtatcacc attgatattg ccctgtggaa gttcgagacc accaagtact actgcaccgt 300

cattgatgct cctggtcacc gtgacttcat caagaacatg attactggta cctcccaggc 360

tgactgtgct gtgctcatca ttgact 386

<210> 7187
<211> 213
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015c04b1

<400> 7187

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tacgcatctt gatacaagag cttgaccaat gactgggagg agcatttggc tgtcaagcac 120

ttctatgttg agggtcagct tgagttcaag gctgctctgt atgtgcctaa gagggcccca 180

ttcgacctat gagacaacaa gaagaaggcc aac 213

<210> 7188
<211> 463
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015c08b1

<400> 7188

ttttccacgc gtccggttcc cgttctcctc tccccctgtc gcctccatag cagcagcagc 60

tccagctcga gcaagaaaga actagtttga tctgtgaaaa tgttggccat cttccagaag 120

caggtggcgc acgcgccgca ggagctcaac agcccgcgcg gcagcaccgc caagcccaag 180

aaccccgacg agatcctccg cgacttccac gccgcccacc cctccgacgc cttctccacc 240

tccttcggcg gcggcgccgc cctcgcctgc gtcgccgcgc agccccgcaa cctcgccgcc 300

ggcgggtacc agaggatgtt ctgcgggctg gacgacatct actgcgtctt catggggacg 360

ctggacaacc tgagcgcgct gatgcggcag tacggcctca cgggccgctc caccaacgag 420

gcgctgctgg tgatcgaggc ctaccgcacc ctgcgcgacc ggg 463

<210> 7189
<211> 253
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015c09b1

<400> 7189

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agccgcgcca ccgccgacgc cgcagctccg gcagccgttc gtctcgagat tgatctttgg 120

tgactgttag aagccacaga cactgaagat ggcgcagcct gctgagcttt cccgcgagga 180

gaatgtgtac atggccaagc ttgcagagca ggctgagagg tacgaggaga tgggttgagt 240

tcatggagaa ggt 253

<210> 7190

<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015d01b1

<400> 7190

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ggacgcccac aacgcggcgc gcgccgacgt gggccttggg gaggtgacat gggacgctac 120

ggtggcagcc ttcgcgcagg actacgcgga tcagcgccgc ggcgactgcc agctgatcca 180

tactcctgat ggccggccgt acggggagaa cctctacgga ggcggcggga ccgagtggac 240

ggcgacggac gccgtgaatt cgtgggtgtc ggagaagcag tactacgacc acgacagcaa 300

cacctgctcg gcgcccgagg gtgagtcgtg cgggcact 338

<210> 7191
<211> 394
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189015d03b1

<400> 7191

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tcgacatcgc cggccacttc gccgggttag gcagcgccga tgacctgccc aggacccccg 120

tcctgtgcaa gcccaacgtc ggcgccatgg aggcggccct caggatcgcc aacgtcaacc 180

cttacaaggc gattttcttc gacgacagcg tgcgcaacat tcaggcgggc aagcgaatcg 240

gcctccacac ggtgctggtt ggcacgtcgc ancgggtgaa gggcggcgga tcacgcgctg 300

gagagcatcc acaacatccg ggaggcgctg ccggagctgt gggaggaggc cgagaaggcg 360

agggacgtcc tctacgccgc ccgcgtggcg atcg 394

<210> 7192
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015d04b1

<400> 7192

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gggcggcagt ggcctggcct ggctctggcg cgtgcgcgtc ctgtgcgtcc gggagctgtg 180

gcggcgccgt ctcggctgaa tgcgatggac agctcgtagc ggctgcttca gtcatgcact 240

ttctggcggt ctaatctttc cgaggaggca atatcgtatg ccttactacc tggcattggc 300

tggcttagat gtcgtttcgt agcatagctc gtgatgttag ggatggtttt cggtagcttg 360

tcgagacgga gctttgatgt gacaatcgca agcctttatg gtcttactgg g 411

<210> 7193
<211> 459
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015d07b1

<400> 7193

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acatcgtgta cgtcgaccgc cccgaggacg ccgaccccga ggagttccac atccgcaccc 180

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gctcgggttt gcgccgccct gcctgtggga tctaggcctt tgggggtccg atttagcttg 300

gccttgtcgt tttggggttg attcgttctc ttgagacttt ttccggccgt gtgtcaattt 360

gctgatctgg ggggaatttt ggcagcgagg agaaggccag gggcgccgtc ctttaccact 420

acaagcacgc cgccagcgga ttctccgcaa agctcacca 459

<210> 7194
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015d08b1

<400> 7194

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acgtcgagaa ggaccgcctc ttccgcgcca tcgacaccat acccgccgtg cgccgcaagg 180

ccgactgggc cctgcgctgg atcgacggtg gggagcgctt cgccgagcgc atcgtcgcct 240

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agcgcgggct catgccgggc ctcaccttct ccaacgagct catctcccgc gacgagggcc 360

tgcactgcga cttcgcctgc ctcctctacg acatcctgcg cggcaagctg gacgagtcac 420

gcgt 424

<210> 7195
<211> 448
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015d09b1

<400> 7195

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agctcctcca cctgctacta cccagagcag cggtggtggt atcatgagcg gaattgggtc 240

cactattgct cagggcatgg cttttggtac tggcagtgct atggcgcaca gggctgttga 300

tgctgtgatg ggtccccgta ccattcagca tgagactgtt gtcggtgagg ctgctgcatc 360

tatgactcca atggacaacg ctgctgatga caagtgtggc aacccttcca ggccttccaa 420

gattgcatca accactacgg cagcgaca 448

<210> 7196
<211> 461
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015d10b1

<400> 7196

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gcgccctcaa ggcggcgctc gccgagttca tctccacgct catcttcgtc ttcgccggcc 180

agggctccgg catggccttc agcaagctga gccccgacgg cgcggcgacc cccgccggcc 240

tgatctcggc ggcgatagcg cacgccttcg ccctgttcgt ggcggtgtcc gtgggcgcca 300

acatctccgg cgggcacgtg aacccggccg tgaccttcgg cgccttcgtg ggcggcaaca 360

tcaccctctt ccgcggcctg ctctactgga tcgcccagct cctgggctcc accgccgcct 420

gcttcctcct ccgcttctcc accggcgggc tccccaccgg c 461

<210> 7197
<211> 296
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015e02b1

<400> 7197

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caaacgcgag aagatggcgt tgcactggag cggcggcctc gctgtcgcgg tcgcggcggc 120

gctggccgtg tccgcgctct tcccggcggg cgctgcgggt cacccgccgc tcccaggccc 180

gttggtcccg cagttctacg agcacacgtg cccgcagatg caggcgttgg tgggcgccat 240

cgtggccaag gagcacgcca gggacccccg catggcggcg tccctgctcc ggctgc 296

<210> 7198
<211> 261
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015e03b1

<400> 7198

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agcgcgcacg ccggattctt cggccgcccc gtcaagctcc tcgcctcgct cctctccgtt 180

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cccctgctcc cactgcccgc t 261

<210> 7199
<211> 221

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015e04b1

<400> 7199

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atgaagagga gctggcccct atgacaccgc ctgctgccaa ggcctcggcc ccggccgctg 120

ctctgccgga cgtggtggtg aaggcgagca agggatggca ggaggtgttg ccccggcgtg 180

gtccgcgtcg cccgacgtcg ctagcccctg caatggctcc c 221

<210> 7200
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015e05b1

<400> 7200

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ctctcaatgc tgtctcacga aacatgttaa aaagacgaca ccacagtatc tcgcaaacgt 120

cgcccttaaa atcaatgtta aggtgggagg gagaaatact gtacttgttg atgctttgtc 180

aaggagaatt ccccttgtta gtgacagacc aaccattata tttggtgctg atgttaccca 240

tcctcatcct ggagaagatt ctagcccttc catcgcagct attggcccga ggtcaccaag 300

tatgctgga 309

<210> 7201
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015e06b1

<400> 7201

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ctttgccggg agcctcaatg gtcgggatgt cctcctccgt gccacgtggt ccggcgccgc 180

atgctgcagc tgggaaggcg tgggttgtga cgccgccaac ggccgtgtca cggcactacg 240

cctccccggg cgaggccttg agggggccat cccaggaacc tcacttgcag gccttgcgca 300

gctcgaggaa ctcgacctcg gctccaacaa ctttcacaac atctcagggg tgctcaccgt 360

gttgcatggg tgccagaacc tcgccacgtt gattctcaca agaattttga tggtgaagag 420

ctac 424

<210> 7202
<211> 461
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015e07b1

<400> 7202

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aactgcctta ctctctgcta catattcttt gttggagcaa tcgttgtcaa cttgataaga 120

gatcttgttc ccaagaaggt atcaaacttc ataccaatcc caatggcgat ggcaatccca 180

ttctacatag gatcgtattt cgccatcgac atgttcatcg ggacagtgat ccttttgtc 240

tggcaaaggc tggacagagc caaatcggaa acatttgcac ctgcagttgc ttccggcttg 300

atttgcggcg atggactgtg ggttctgcct cagtcggtgc ttgctcttgc caaggtgaaa 360

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acaacattat cgtagaatct tagggaaaag gagaagttac a 461

<210> 7203
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015e09b1

<400> 7203

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agtcgccaag aagaaaagtc ccaaactttt tccccctgat cgatccgccc tcctcctcct 120

cgtcgccgca ggagtttctc ccgggattcg ccgccccctc cttctctctc cggcgaccga 180

tcggatcccg ccggccggag gcccgagccc cgcccgatct acccacccga tggcggccaa 240

cgccggcgcc ggcgccggcg gcagcaagat ccgcaacgcc aagctggttc ttctgggcga 300

cgtcggcacc ggcaagtcca gcctggtgct ccgcttcgtc aagggccagt tcgtcgagtt 360

ccaggaatcg accatcggcg c 381

<210> 7204
<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015e10b1

<400> 7204

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tcttctcgtc ctctagttaa gtccctcgac agcaatggga ggaggcaacg acggtcatgg 120

gtacccaccc ggtggccagg ggggataccc tccgcaaggg tacccgccgc agcagggagg 180

ttaccctcca cagcaaggat acccgcctgc acctggagct tacccacctg cacctggggc 240

ataccctcct gcacctgggg cataccctcc tgcacccgga gcgggtggca gtgacgggga 300

gaaggggc 308

<210> 7205
<211> 448
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015e11b1

<400> 7205

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gtcctaatcc gccgaatccc gcgacccacg aaccaaggca gatcgatggc gaagagctcg 120

ttcaagctgg agcacccgct cgagaggagg caggcggagg ctaaccgcat aagggagaag 180

tactctgaca gaattcctgt gatcgttgag aaggctggga agagtgatat tcctgacatt 240

gacaagaaaa agtacctcgt ccccgccgac cttacggttg gacagttcgt gtatgttgtc 300

cggaagcgga tcaagctcag tgctgagaag gcgatcttca tctttgtgaa gaacactctt 360

ccaccgacag ctgccctgat gtctgccatt tacgaggaga acaaggacga ggacggcttc 420

ctctacatga cctacagcgg cgagaaca 448

<210> 7206
<211> 493
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015e12b1

<400> 7206

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ctcggcggct ctctgctcca gcgaacgcag gcggcggtcg cggaggaggg acgcctgctc 180

gcgccaagca ggctcatgcg ctcccgccag ctctccacca aggtctccgg cgagcgatcg 240

caggtggcgg agcgacacct cctcgagcca ggcagcctca tgcgctcccg ccagctctcc 300

ggcgagcatg ctcgcaacat ccagaagaaa gaggatgact gctgggcggg gttcaatgag 360

acgctaaaga ggttggacga gcttcaaaaa aagaagaaac caagtgtctt tcagcagcgc 420

atgatatcca tcgaccgtgc gttgaagagt ttggtctatg gatctttaag gtgacagttg 480

tgtatgtggc tgc 493

<210> 7207
<211> 274
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015f01b1

<400> 7207

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cttttgccag tctcagcagg agatttcatg tctgatcttg acgttcagat cccaactgcc 180

tttgacccct ttgccgaggc gaatgctggg gacgctggtg cagctgccgg atcaaaagac 240

tacgttcatg tacgcatcca gcagcgtaat ggtc 274

<210> 7208
<211> 219
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015f02b1

<400> 7208

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aaacatgtcg agcgcttcgg gacgggcggt ttgacgagca atgagatcga gcgctggtgg 120

ggaggtatct cacggtaatg gtgggcgtgg cggagcggcg ctggatttcg atggcatgga 180

gttcctacta gagccagttg accggttccc actcaggga 219

<210> 7209
<211> 258
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015f04b1

<400> 7209

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gcaagctgga acatctgatt cagctaaaac agcacaaggc tctccatgtg ctggccattc 120

tttggtatca tgcgggaaca aaatcttctt tgttgctggg catacaaaag aaccatctga 180

cagcattaca gtgaaggaat ttggaccaca tacttgtacc tggtcgattg tgaagactta 240

ccgaaaacca ccggtttc 258

<210> 7210
<211> 71
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015f05b1

<400> 7210

cccttgaggg tatcaagcat ttctatgtca atgtggagaa ggaagagtgg aagctcgaca 60

cactgggtga c 71

<210> 7211
<211> 358
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189015f06b1

<400> 7211

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atccatcgat cgacccttgc ctgagccggc agcagcagcc atgaacaacc tgttctcgag 120

ttcgtggaag cgcgcgggcg cgggggggcga cggcggggac ctggagtcgg gcggcggcgg 180

cggggtggag atgactggcg ccgccgggcg ccgcggcggg ggcgagcctg gaccgcttct 240

tcgaggacgt ggagtcgatc aaggacgacc tgcgggagct ggagcggatc cagcgctccc 300

tccacgacgg caacgagtcg ggcaagtcgc tccacgacgc ctncgccgtg cgcgcgct 358

<210> 7212
<211> 469
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015f07b1

<400> 7212

ttttccacgc gtccgcgcag ctcgactcgc agcagcagca gccggcggag atcgtatcat 60

ggcgatggag ggctacgacc gcgagttctg gcagttcggc gaccagctgc ggctccagac 120

ggccagcttc tccggcctct ccctcggcga ctccatctgg tcccccgccg acgccgcccc 180

ccgcgcccgc aacgccgacc tcttctcccc ctccccggcg cccgacaaca acaacgccgc 240

caagatgaac ggcaacggcc tcaacgggcc cggcctcatc gggtccggca agctcgcctt 300

cggcgccacc accaccagca aggccgaccg ctacaacaac gtcagcctcc ccgccgccgc 360

cgacgccaac gccaagccct acggcaacgc caacggccta tacggtgcca agcccaacaa 420

cgccaccaac aacggcttta tggctcaaca agatggctgc cggcggcgg 469

<210> 7213
<211> 444
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015f08b1

<400> 7213

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catctttgga gggcatgttg ctgactacat gaggtcacta gcagatgagg aaccagagaa 180

gttccaaact cacttcagtg agtacatcaa gaggggaatc tcagctgatg acatggaagc 240

agtttacaag aaggttcatg ctgccatccg tgctgatccc accatggcca aatcaaccaa 300

ggcgcctccc aagactcaca agaggtacaa ccccaagaag ctgacttatg agcagaggaa 360

ggccagcctc gtcgaaaggc tcaacgccct caacaactct gccggtgccg ccgatgatga 420

cgaggacgac gaccagtgaa atgc 444

<210> 7214
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015f09b1

<400> 7214

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gggaacagat agactcagtg aaagttggct gcacgtaaac tattgtgatc aagttggaaa 120

aaaatgtttc ccctcttaac tgctcctgtt ggagactggg gtcagtagtc actgaaattt 180

gcacacgcat ggaggaatga atgatgattc tcaagtaacg aagttgtagc cttcacgaca 240

agataaatgg atgattttgc agctcaagtg ttgctacatg ttacagataa ctatggcatt 300

ccattttaat gaatctgcat attgctgttg agcaccggaa gcgagggagg gcatggctgc 360

ctggaggttg tcccaaggcg agggcagggc agagacatgc aacaatg 407

<210> 7215
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015f11b1

<400> 7215

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gcaagcagcg cctccgccat ggcgttcgag aagatcaagg tcaccaaccc catcgtcgag 120

atggacggcg atgagatgac cagagtattc tggcagtcta tcaaggacaa gcttatcttc 180

ccatttttgg acttggacat taagtacttt gacttgggag ttctacaccg cgatgcaact 240

gatgacaagg ttacagtgga ggctgcagag gctactctca agtacaatgt ggctattaaa 300

tgtgcaacta ttactccaga tgaagatcgg gttaaggagt tcaacctaaa ataaatgtgg 360

aggagcccaa atggcacaat taggaacatt ataaactgca ccgtgttcag agagccaatt 420

atatgcaaga atgt 434

<210> 7216
<211> 223
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015f12b1

<400> 7216

tttttcacgc gtccgccacg cgtccggagc aggccgagtt caagaggatg tacagtctta 60

tttaggagta caagctgaag ggccatatcc gttggatctc cgctcagatg aaccgtgttc 120

gcaatggaga gctttaccgc tacatctgtg acaccaaggg tgcatttgtg cagcctgcat 180

tctatgaagc gtttggcctg actgtcattg aggccatgac atg 223

<210> 7217
<211> 291
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015g01b1

<400> 7217

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ggcgagaaag gacattcctg gatgtggcaa gtttagaaaa aagcctcttc aaaatctgga 120

gcatctttcc aaaatggttg gtgatatttt gaatgatgaa caagatcatt ggaatcccat 180

gagtgacaac cccatcatac ccccaagtca agagaatttt gttgatgttg ataatgttgt 240

tggagttgga gagaaagaag gttcatgaca tccctgatga tattggtaat g 291

<210> 7218
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015g02b1

<400> 7218

tcacgcgtcc gcccacgcgt ccgcccacgc gtccgtgaat cgggagccta aatcatcggc 60

cgcgatttga gactcttttt ctcgagggaa gaatcagaaa gggacaagtc tgagatgaat 120

catacctttt gtttctattt gaagccactt gcttcctggc agtgttataa gaagagtggc 180

atggggtttc cccacttatt atttcccttc tagcttcaat ctgtagtacg ctgtttctga 240

atgtacgaaa acaggccaat tttttgcatt cgatcttct 279

<210> 7219
<211> 282
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015g03b1

<400> 7219

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cgacccgatc tcctcctagg tttcgctccc caccaccgcg gaacgaaccg gaaatggcgg 120

cgcggcacct cagatccggc ctcccgctcc tccaagcccg cctcgcggct aacgaatccg 180

aggacgaagg tcaggtgtcg agggggcttg caacggaggc ggataagcct aaggagaaca 240

agatcaaggt tccaaaagct ctgtatggcg gcacgggcaa ct 282

<210> 7220
<211> 194
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015g04b1

<400> 7220

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tggcgcccat caagctgtac gggatgatgc tgtcggccaa cgtgacccgc gtgaccacgc 120

tgctcaacga gctcggcctc gagttcgact tcgtcgacgt cgacctccgc accggcgccc 180

acaagcaccc cgac 194

<210> 7221
<211> 415
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015g05b1

<400> 7221

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tccagcggcg gccggcaaga gggtgcggga tgcctcagtg cagtcacagg ccgcacccag 180

gcccggcttc cactgcggat tgcgagccag atcaacggct gaagggcttc cagcccatat 240

cccttactat tcagtagaga gtaacaagtt gcaccggcca ggctggtgta tgttgcggtt 300

gctagcacgc ctgacccctt ggaggggaaa ggacaagaaa taagagtaaa gtagcaagct 360

gcagcgatgt gtatatttca ctttgtccag cccaggttcc ctcccagctg ggctc 415

<210> 7222
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015g06b1

<400> 7222

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tcttcgctct cctggcgccc cgtggcgacc gtcggagcca ggggcccgct cgccggcgcc 180

ggcggccctg ggagagacga cgacgacggt tcggcctacc agcggcggtt cgccatcgag 240

tccccttct tcaccgccgc gagaggcttt tcttcggctg aaacacttgt tccacggaac 300

caagatgctg ggttggctga actcccagcc actgttgctg cactgaagaa ccccaactca 360

aaaatccttt atgaccagta caaccatgaa agatatcctc tgggagat 408

<210> 7223
<211> 451
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015g08b1

<400> 7223

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gaaaacaagt ggaagcaaac tttcagcctc agcacctcca ttcaaacctg gatcgctctt 180

atcggtgtcc catccttaca gcacagtggc aatatatgat gctagcgttg tgcttcagcc 240

aatcccaagt caagcaatgg agattctccc tcatgctgtc gatacttaga gtacctccgt 300

ggtcctcggt ccaccttgta ctatcgtact ggacattctt tccaaaggaa acagggttat 360

acacagagcc agagcactat tctgaggggc agcacctccc ctccaaccat gaacccccat 420

gctgctgagt ttgtgcctgg aaaaactgtg c 451

<210> 7224
<211> 463
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189015g09b1

<400> 7224

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gcgccggccg ttccatttcg ctccgccctc ccgccttgtc ccgttgctga gttcgcgtcc 120

gctcgccagg aggagcagtt cgccgccgtt gaagggtcct cccccgtcgc tagccgcgat 180

gaagaaggtt gtgctcaagc tggatgtgca cgacgacagg cacaaggcca aggcgctcaa 240

ggccgtctcc ggtctccacg gtatcgacca gctgggtgtg gacatgaagg accagaagat 300

gaccatcgtg ggcaccgtcg accccgtagc ccgtcgtcgc caagctgcgc aagctcttcc 360

ccggtgggca gnatcgtcct ccgtcggccc ggccaaggag gagaagaagg acgacaagaa 420

gcccgccgga gacaagaaag agggcgacaa gaaggagggc ggc 463

<210> 7225
<211> 264
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015g10b1

<400> 7225

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cttcttcttc ttccttcatg atgagggatg ctccccctgc cgcagctacc agcattcatc 120

cagcggcggc gaggcgagag ggcaggggat gcgggcagag cagacgcagg ccccaccccg 180

gacggggctt ccactgtgga tggggagcca catcaacggc tgaagggctt ccagcccata 240

taagcgtact attcagtaga gagt 264

<210> 7226
<211> 464
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015g11b1

<400> 7226

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gcggcgagga gcccccggct ccctcccccg cccctgcgcc tgtccaggca cgggcgcaag 120

ccccgccggc cgacaggcgg gtgcggtctc cctcccctgc ctcaccgccc gtcgtcaagg 180

cccggcccca agccccgcct gcggacaggc gcgtgcggtc tcctccccca gccacagcac 240

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ggatcggccc gcagcaaccc gccgtcgtgc caaccaagaa gatggtgccg ctcgccgtcg 360

cagccagcta cgccggcccg gcgttctcgg ccgcggcccc ggagccgagc tctctccccc 420

tccctgggtt cttcttccgc cgcgccgagg aagaggccac ccgc 464

<210> 7227
<211> 252
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015h01b1

<400> 7227

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cggcggcggc ggctcgagca gaggaaagga agctttctac cctagcagag aaaaaaaaag 120

cagaggagag gaagcggagg cgacgatgtc ggcgatgact gcggcggtgc ccttctggcg 180

cgcggcgggg atgacctaca tcggctactc caacgtctgc gcggcgttgg tgcggagctg 240

cctcaaggag cc 252

<210> 7228
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015h03b1

<400> 7228

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cgtgcgcgcc gacgagcacg cgcgggtgga cgcgctctcc tccgccgcat ccgcatccgc 120

atccctatca tcggccacta ctcatctgtc gccgagcttc ttcgagggat tcgcgctgcg 180

cgggatccgc gtgctccgcc tccatccggg gttcatccac tgctcctaca ccgtcccccc 240

gagcctcacc gactccacca ccggctgcct cgccgccggt gcccgttgtc gccctggtcg 300

acgagatcgg ct 312

<210> 7229
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015h04b1

<400> 7229

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ggacatcctc actcatgata gcgttgaagc tcaacagctc caagcatgcc tagatgcagt 180

aatgcaaggc ctcgcaaaat ccatagcatg ggatggtgag ggtgcaacct gcttaattga 240

ggttactgta actggtgcaa ataatgaggc agacgcagct aagattgctc gttcagtggc 300

agcgtcctcc ttggttaaag ctgctgtatt tggccgagac ccgaactggg ggcgcattgc 360

ttgctctgtc ggatattcag ggattcattt tgatgcagat caacttgat 409

<210> 7230
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015h05b1

<400> 7230

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gcagagatgg gctccaccgc aaccgacatg gccgcctccg ccgacgagga ggcgtgcatg 120

tacgctctcc agctcgtctc gtcgtcgatc ctcccgatga cgctcaagaa cgccatcgag 180

ctgggcctcc tggagaccct ggtggccgcc ggcggcaagc tgctgacccc cgccgaggtg 240

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ccggctgct 309

<210> 7231
<211> 376
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189015h06b1

<400> 7231

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tgcttccacg cgccaccgcc ggccccctgc ttccacgcgc cgccggcggc cccgctgctt 120

ctagccgcca ctgtcgggag ccaccatagc gccaccaatc gccacgacca gtcgtcccta 180

ccgccgcctt ggcgacctac ccccaccccc cgcagggggc catcgcttcg tgtcaccgca 240

tccggtggcc acagcgtgcc gtccaactcg gcagtccaac tgcttgctcc acggntcggt 300

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ttgttgctgc tgctgc 376

<210> 7232
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015h07b1

<400> 7232

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tgcggctgcg gctcaaactg caactgcggc aagatgtacc ctgacttgga gaagagcggc 120

gccaccgtgc aggccaccgc cgtcgtcctc ggcgtcgggc ctgcgaaggt gcagttcgag 180

gaggccgccg agtccggtga ggccgcccac ggctgtagct gtggcgccag ctgcaagtgc 240

gacccttgca actgctaagg tgcaagcggt tgatgcgctt ctggtgattg tgccgtgtgt 300

gatcgagtgc gaataatgaa accgacg 327

<210> 7233
<211> 149
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015h08b1

<400> 7233

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actactcatt ctacaacgcc acggagttcg cgaagactgc gtctgctaat taggtctagg 120

gcgaggatgc tagatggaac tgcaaactt 149

<210> 7234
<211> 134
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015h09b1

<400> 7234

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaggggc 120

ggccctttta gagg 134

<210> 7235
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015h10b1

<400> 7235

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caacaaggtt gcagccataa taacccttct gtttataatc gcgatcaacg tggcaatcgg 180

gatactaccg catgctgata actttgctca cattggtgga ttcctgaccg ggttcctttt 240

ggggttcgtt ctgctggcaa ggccacaatt cggttggttg gaacgcagcg agctgcccca 300

taccaatcag ccccccaagt acaaaccata ccaatatgtc ctggtgggtt gtggcactcg 360

tcttgctgct tgtcgggttc acgctttcgt tggtgatgct cttcaagggc aagaacggga 420

atgacggctg ccac 434

<210> 7236
<211> 337
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015h11b1

<400> 7236

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gtctccggtg accggccgat tccggaactc tcctccccga cctccgtgcg ggtgcgcgtg 180

gcggcaacca gcctcaattt cgcgacgttc ctgcaagtgc agggcaagta ccaggagcgc 240

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cggcgtgcgc agattccgcc ccggcgaccg cgtctgc 337

<210> 7237
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015h12b1

<400> 7237

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cccgaccctc gacgcgacat accgagcctt cctgtcacag agatgcccga ggaacggcga 120

cggaacgtcc ctcaacgacc tcgacccgac cacacccgac aacttcgaca agaactactt 180

cacaaacctc gaggtgaacc gcggcttcct tcagtcagac caggagctca agtcggaccc 240

cggcgcggcg gggacgacgg cgccaatcgt cgatcggttc gcgggcagtc aggaggcctt 300

cttcagtagc ttcgtgactt ctatgatcaa gatggggaac attaggcccg tcacagatcc 360

ctcccaggga gaagtccgga ac 382

<210> 7238
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016a01b1

<400> 7238

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gccatcatct acaacaggga gcacgcctgg tcagaccact ggatcttctg ggtcggcccc 120

ttcatcggcg ccgcgctcgc cgccgtctac caccaggtgg tcatcagagc gatcccgttc 180

aagaccaagt cctaagctgc tgttcttcct gctacaaaga agatgccaac ccaacccgaa 240

gagcaaagct ggcgtgttct gaatttctga tggggcggc 279

<210> 7239
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016a03b1

<400> 7239

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acgggctact cgctgctggc caccgcgctg gcgctcccgg aggacggcaa ggtggtggcc 180

atcgacaccg accgcgagtg ctacgaggtg ggccgccccc tcatcgagaa ggccggcatg 240

gcgcacaagg tggacttccg cgagggcacc ggcctggcgc gcctggacga gctgctcg 298

<210> 7240
<211> 307
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016a04b1

<400> 7240

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gtacgccaag ttctggaatg agtttggcaa atcagtcaag ctgggaatca ttgaagatgc 120

aacaaacagg aaccgtcttg cgaagcttct gagatttgag agttccaagt cagatggcaa 180

acttgtctcc cttgatgagt atatttcaag gatgaagtca gggcagaagg acatcttcta 240

ccttacagga agcagcaagg agcagctaga gaaatctcca ttccttgagc agctgaccaa 300

gaaaaac 307

<210> 7241
<211> 212
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016a05b1

<400> 7241

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aggagctcct gcatcccgcc ggtgccgcct caccctcccc cggtcgccgc cctccggtgc 180

cgcgccaagg aaaggtttat tacctgcagg aa 212

<210> 7242
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016a06b1

<400> 7242

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ggcgtcctgg ggttcgacta cggcgtcgtg caggcaccgc tcggccccga catctccggc 120

ccggagctcg ccgccgccgt cgccaacgct ggcgccatag gcctcctccg ccttcctgac 180

tggccggcgc cggaccacgt gagggaggtt gatacagagg accaggagcc tgaccgagaa 240

gccgttcggg gcggccattg tgctggcctt cccgcacgag gagaatctga gagtcgtgct 300

gga 303

<210> 7243

<211> 223
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016a08b1

<400> 7243

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atgccacgtg gatgacctct gtcgcgccca ggtgttcgta gccgagaatg agtcctcgac 120

gggcaggtac atctgtgaag ccacgacacc accctcgtgc agcttgcctc tctcctggcc 180

gaaaagtacc cacaatacca atgtgaaact tgaacgcttt gct 223

<210> 7244
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016a09b1

<400> 7244

actatgggaa gaccttcaag aagccaaggc gtccgtatga gaaggagcgt cttgacgctg 60

agctgaagct ggttggggag tacggtctgc gggccaagcg tgagctctac cgtgtgcagt 120

acgccctcag ccgcatccga aatgctgcca gggagctgct caccctggat gagaagaacc 180

cccgccgtat ctttgagggt gcagcgctcc cccgccgcat gaaccgctac ggtcttctca 240

ctgaggaaca gaacaagctt gattatgtgc ttgccctcac tgttgacaac ttcctcagcg 300

ccgtc 305

<210> 7245
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016a10b1

<400> 7245

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agctcgcccg tgctccccta cgcacggagc tcccggctct cgtcggcgca gggatttgtt 120

caccatggcc cgcttgtacg ttggcaactt ggatgcccgg gtgactgctg gggaacttga 180

agatgagttt cgtgtgtttg gagttttgcg aagtgtctgg gttgcacgta agccacctgg 240

ttttgcgttt attgattttg acgacaagcg ggatgctgag gatgcacttc gtgatctaga 300

tggcaagaat ggatggaggg tctgagctgt ctcgcaatga ccg 343

<210> 7246
<211> 293
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016a11b1

<400> 7246

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tttggaggat gtcttgcaac tgcggatcag gctgcagctg cggctcagac tgcaagtgcg 120

ggaagatgta ccctgatctg acggagcagg gcagcgccgc cgccgaggtc gccgccgtgg 180

tcgtcctcgg cgtggcgcct gagaacaagg cgggacagtt cgaggtggcc gccgggcagt 240

ccggcgaggg ctgcagctgc ggcgacaact gcaagtgcaa cccctgcaac tgt 293

<210> 7247
<211> 210
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016a12b1

<400> 7247

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gcctccactc atcaagcgcc tagctagggt tttgcttggt ccagtcggga gagggaggcg 120

agatgctgcg tcggaacacg cggcttcgtc gggagtacct ctaccggaag agcctcgagg 180

ggaaggagcg tcagcactac gagaagaagc 210

<210> 7248
<211> 197
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016b02b1

<400> 7248

ccccgccgcc tcaagatgca gatctttgtg aagaccctca ccggcaagac catcaccctc 60

gaggttgaga gctccgacac catcgacaac gtcaaggcca agatccagga caaggagggc 120

attcccccgg accagcagcg ccttatcttt gctggcaagc agctggagga tggccgcacc 180

ctcgctgact acaacat 197

<210> 7249
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016b04b1

<400> 7249

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gcagacgggg gatactggtg ctgcgcggcc tatagagtcc caggcttcta ttagcgtcgc 180

cgagggtgac attcgccgtg tcggagacct ctgtagcggc ggcggaaatg cgtgatttgt 240

tggcgaggac ccgctctgca agtgtgttcg gaggctacga gcggatggac acacatagta 300

agggatcagg aaagcccctc cggagcgcga gttcaaccat aaccggaaaa gtgcgcttga 360

actatc 366

<210> 7250
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016b05b1

<400> 7250

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tacaaggcag cagcatccct taggagctac agtcaggttt caaggataaa cccgagaaaa 120

tctattccac gtgcagtcct tagaggagca agtggacttg ctatcttgac agttgtaaaa 180

gctggtgcat ttcttacata caaacttgga actggcttag tagttgctcg taaatcagat 240

gggtcatggt ctccaccctc tgctatagct tcagctggat taggatgggg agcacagctt 300

ggcggtgagt tgatggattt catcatagtg cttcatggt 339

<210> 7251
<211> 295
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016b06b1

<400> 7251

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ataccattca aaaactcatt tctgaagttg acgagggata tatcttagat gatagatgtg 120

tacgtgctgc tcccaaacct gtgaaggatg atgcttcaag aagtaggttt ctatcagaag 180

aacagattca gccaaccgaa tcatctgctg atcccactat caattgtttc tcatatcggt 240

actacctatc taacatttgg gcgaattaca acaggactag agatgctctt aagat 295

<210> 7252
<211> 153
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016b09b1

<400> 7252

catctcctct tccacaaccg gccaccgtcc cgatctgaag gtctccgacc agatcagcct 60

cctccccacc acggcgtgcg gcgaggagtc cccggatcgc tcgccgtcac ccagtgcggt 120

gcagatctgg gagtccgccc tcaccaagca ttc 153

<210> 7253
<211> 301
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016b10b1

<400> 7253

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gcccccacaa catgctttgg ccctcggttc ttctcgaagt cgaagaaaga tcgaaagcca 180

aagcctgaag ttgtcaacca ggtccgccca tggccggagc tcatggcaga acctagtgat 240

gctcgatcaa tgtcatttgt tggcacacac gagtacttgg cccctgagat tatcaaaagg 300

t 301

<210> 7254
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016b11b1

<400> 7254

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cgccgacata ctcaccatcg ccacacggga cgccatcgcc ctgagcggcg ggcccttcta 180

ccaagtggag ctggggaggc tggacggcct gagctccacg gccagcagcg tggccggcaa 240

gctgccgcag cccaccagca ccctcaacca gatggtcgcc atgttcaggg cgcacgggct 300

caacatgtcc gacatcgtcg ctctctcagc ggcgcacacc gtggggctcg cgcactgcgg 360

caagttcagg accggggtgt acggcagccc ggcggacgcg acgct 405

<210> 7255
<211> 273
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189016b12b1

<400> 7255

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cgccatggct tgtcacgtga aggccattgt gtttggcgcc gccgtcctgg cagcatttgt 120

tctcgcgact gagggccgcg ctgctcggaa ggacctgggg ctgggcctcg acctcggcgg 180

cggcggcggc ctcggggtcg gcacgggcgg cggtctggga gtcggcaccg gtggtggcgt 240

gggcatcggc taggaatcgg tgtcggcatt ggc 273

<210> 7256
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016c04b1

<400> 7256

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ggccccagat acggaagatc taccaaacag caccccatat ttatgaaaat accgagagaa 180

tatctttggt gagctcattt atggcatcta tccttgttgg atgctatgca agtattgatg 240

aaactgatgg tgctgggatg aacttgatgg atataaacaa gaggacctgg tcaaaagctg 300

ttttagaggc aactgctcct gatcttgaac agaagctggg aaatctggca ccggcacgtg 360

cagctg 366

<210> 7257
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016c05b1

<400> 7257

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aagatggtga agatctgctg ccttggggct ggctatgtag gtggcccaac aatggcggtc 180

attgccctca agtgccctga cattcaggtg gttgtggtag atatcaccaa gtcccggatt 240

gatgcctgga acagtgacac actgccaatc tatgagcctg gccttgatga agtcgtgaag 300

cagtgccgtg gaaagaacct cttcttcagc aatgacattg agaagcatgt tagcgaggct 360

gacatcatct ttgtgtcggt aaacaccc 388

<210> 7258
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016c06b1

<400> 7258

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cggtgccggc gccgccggat cccgccccggc caccgccggg ccccgcggca cgcccgccgc 180

cacggctggc atgcgccgcc gacccggccg cacctcctcc tccgcgtccg gtggcggagg 240

cttctccggc ggcggaggga acaacatgct gcgcttctac accgacgagg ccccggggct 300

gcgcctctcc ccgaccatgg tgctcgtcat gtctgtctgc ttcatcggct tcgtcacc 358

<210> 7259
<211> 170
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016c08b1

<400> 7259

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gctgaccatg aaccgcccga cgccggcgca ccacaggggc atgccgccgc 170

<210> 7260
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016c10b1

<400> 7260

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cgggcaggtc atcgccgcct cccccgacgg cgaccagttc ggcccccacg acgcccagct 180

cgacctcaac cgcggcatcc ctaggttcta catcatgaga ttggagagca ggccgctcag 240

gttctcgacc atcacccacc acgccagcgt cacgcagtgc ctgggctcca tcggcggcca 300

ggactggtac ctcggcgtgg ccaagccttc cgtcgtggac gagcacggt 349

<210> 7261
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016c11b1

<400> 7261

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ggcggaggac gcgccgggca ccaccggccg gccgcggtgg ctgacgcgcg tccgcacgct 180

cggccggggc gcgtccggcg ccgtcgtgtc gctcttcgcg gccggcgacg gcgacggcga 240

cgagctgctc 250

<210> 7262
<211> 466
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016d04b1

<400> 7262

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gtgcttggcc ggaaggccgg cgcggctgtg gaggcacggc cagcaccggg gaagtacgcg 180

gtgatcatgg atgccggcag cactggcacc cgcgtccacg tcttcaggtt cgacaagagg 240

atggagctcg tcgacgttgg cgacgacatt gaggtcttcg ccacggtgaa tccgggactg 300

agctcgtacg ccggacggcc acaggacgct gccaactcca tcatgcctct gcttgagaag 360

gccaacaccg ctgtgcctcg gtcactcatg aggagaacac ccattaaact tggggcgacc 420

gctggactca gactcatagg agacgagcac gcggagcaaa ttcttg 466

<210> 7263
<211> 263
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016d06b1

<400> 7263

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ggtcctggtg ctcgcgctgt ggatcctcta cttcctgttc ccgctcatct cgctgccgct 180

gctccacccg atccagatca tcatccgcgc cgacgccgtc cgcatgcagc tgctggggtt 240

catcatcgcc ctcttcgtct ccg 263

<210> 7264
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016d10b1

<400> 7264

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ctgatggacg agacgccgac gaccggcaac aagacagcgg tcatggtagc cgacaacgcc 120

gccaatccta tcacgtggat ggtcaagttc gcggtggcca tggtgaagat gggaggcatc 180

caggtgctca ccgggaccga ccccggcgaa gtaaggaagg tctgcttcgc caccaacaac 240

gcgagctaga atccgtggag ctgcatgtac gatgactaaa caaaagtgca cctgggcagc 300

tagagccggt gctcttagtt ggtttaatcc tttttgtttt ggtttcattc t 351

<210> 7265
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016d11b1

<400> 7265

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ccattgcttc tatggaactc ttttgtttgg cttatgaagg cacattcatc ctgcaagtac 180

aatcatgatt aagagttaga atgcccctgc acatccgttt actttcttac attgattggt 240

ggttcttatg ccttgtataa tacgccttct cacataatag tttggtaaag aaagaatgaa 300

ctcactcctg aattttgcac taattatata cttatttcac tattaataat ttgtatttgc 360

tatatctttt ctcatgagtt cgtcaagtac ctttctaaac atgcttagat gctttttttgt 420

<210> 7266
<211> 406
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189016d12b1

<400> 7266

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tttgcttgca aggacccaat ggccgcaacc ccggaagact tcttcaacgc agccatgctc 180

gatcagccta gggatactaa ggcgagcaag gtcaggtcta acgtcaccaa catcaatgtt 240

ataaatttcc ccggcctcaa caccctcggc atctcgttgg cacgcatcga ctatggacca 300

ttanggtgtg aacacgccac acatacaccc ttcgtgccac tgagctcctc acggtgctcg 360

aggggacact ctaccttgga tttgtcacat ccaacccaaa caggct 406

<210> 7267
<211> 196
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016e03b1

<400> 7267

gagttcaagg aggccttcag cctcttcgac aaggacggag acggctgcat caccaccaag 60

gagcttggaa ctgtgatgcg ctcgctgggg cagaacccca ctgaggcaga gcttcaggat 120

atgatcaatg aagtggatgc tgatggcaat ggaacgattg actttcctga agttcctcaa 180

cctgatggca cgtaag 196

<210> 7268
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016e04b1

<400> 7268

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tgccgacgcc ggcagccagt ggaacactgg tcagtggacg ggtctcgtaa gccgccatcc 180

ttgttgacat atcatggagt tgttcctgga gggttgcaag ttgctcttga tgcagcgccc 240

atattttggt gtcaggaagc gtgaactgat actcggtggt aggttcggca ccagacatgg 300

aatctgatac caaattggaa caacccctgg gtctgatgg 339

<210> 7269
<211> 290
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016e05b1

<400> 7269

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tcggccagtc ccacccggtg aagctcgtgc cattcaaccc ggagtacctc gacgagtccg 120

tgatgtggac ggagagcggc gacgtcggca agggcttccg ctgcattcgc atggtgaaca 180

acaatccgcc tcaactttga cgccctcaac ggcgacaagg accacggcgg cgtgcacgac 240

ggcaccaccg tcgtcctctg ggagtgggcc aagggcgaca accagagctg 290

<210> 7270
<211> 245
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016e06b1

<400> 7270

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tgaaaatgct ttgagggctt actttcggct atgctttgag atttgagcgt tttctttgtc 120

ctacatatcg gtgcatttac ttgggttaat tgtgcaagtt gcaagaataa gtggccctat 180

gtgaaatagt atactctttt tattagtgga acttgtttaa cgcagaaaaa aaaaaaaaaa 240

aaata 245

<210> 7271
<211> 362
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016e10b1

<400> 7271

tcttagcaat ccaatagaaa actaaataca tcaccagcat caatggccaa gtcacaggca 60

ttggctgcaa cattgttgct tgtcctggtg gtgtccctcg ccgcaataga gagtgttcat 120

ggcgtttgcg gcatgtcgaa tgatgaattc aagctttgtc agcctgcagc ggcagtgaat 180

aacccaacag gcagtccatc tgccgagtgt tgtgccgcgc taggaaaggc aaacctatgg 240

tgcatctgtc gctacaaagg catggccggc atatggctga aaatgtacca tattgacgca 300

cgccgtgcca tggcactgcc aggcaagtgc ggccttacca tgccaagcaa ctgcccttga 360

tg 362

<210> 7272
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016e11b1

<400> 7272

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tcgcatacta ctgggagacg cagcgctacc tcgagtcaga ggagctcgtt gacagcatct 120

tcgtcggggc gaccgaagac gccatctcgt actacgactc cagctcgccg gacggttccc 180

actcgtcctc gacgccgatg ggggcggcca tgccaggggc ggggatgggg atgggcggca 240

ctggggcgaa caagaacata ctgatggaac gcgaccgccg ccgcaagctc aatgagaagc 300

tctatacgct ccggagcgtc gtgcccaaca tcaccaagat ggacaaggcc ttcgatcatc 360

aaggacgcga tcgagtacat ccagcagctg caggcagagg agcggcagat ggaggcggag 420

gtg 423

<210> 7273
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016e12b1

<400> 7273

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ccccatggcc ggctaccccc caccccccgg ctccggctac ccctacggcg ccgctggcgg 120

ctacggagcc ccaccgccct ccggccagaa gccccccaaa gaaggcaaga cctcttcctc 180

ctccggcccc gacccctacc acggtgctcc gcccccgcag cagccttacg gcggaggcgg 240

cggcggctac ggagccccac cgtcctacgg ccagaagcct cccaaggaag gcaagacctc 300

ctactcctcc ggctccgacc cctaccacgg cgctccaccc ccgcagcagc c 351

<210> 7274
<211> 115
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016f02b1

<400> 7274

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gcgcaaccca aaagtcaggg aggcgcggca caaagctcac aaagcaagaa aggcg 115

<210> 7275
<211> 148
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016f03b1

<400> 7275

cttctcgatc tagctagagc catggcgccg accaagggcg aggggccggc catcggcatc 60

gacctcggca ccacctactc gtgcgtcggc gtgtggcagc acgaccgcgt cgagatcatc 120

gccaacgacc agggcaaccg caccacgc 148

<210> 7276
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016f04b1

<400> 7276

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atcagtggca aggaggatgc agccaacaac ttcgcccgtg gtcattacac cattggcaag 120

gagattgttg atctctgcct agatcgtatc aggaagcttt cagacaactg cactggtctg 180

cagggattcc ttgtcttcaa cgctgttgga ggtggaactg gctctggcct tggttcgctt 240

ctcctggagc gtctctctgt tgactatgga aagaaagtcc aagcttgggt tcacagttta 300

ccca 304

<210> 7277
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016f05b1

<400> 7277

tgtcacacga ggcttgagag agagagagag agagagagag agagattacc atgtgaacag 60

gcccttcttt cccctgcttc gggccaagct taccgcgacg acgatggcga ggctgctgct 120

tctcgggttc tccctgctgc tgctcacggg gctcaggccc ggccgcgctt tcctcgtcgc 180

ggaccctcag cccgacgtct cagacgacgt gccggcgctg ctcgccttca agaaggccat 240

ctacgacgac ccactcgcga ggctgtcgga ctggaactcc agcgacccgg atccctgcct 300

gtggttcggc gtcacctgct cggatttcga cgcccgcgtg gtgactctgg act 353

<210> 7278
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016f06b1

<400> 7278

tggtgatgtc tttccggaat ctctccgttt ggagttcgag aggacggcaa gtcgaaggcg 60

tcgatttcga gccaaattca catgtccaaa gatttgtgga cggttgcaat cagatgagat 120

accaattggt agcaaagatg gcagtgcagt tactgttgcg gcggagaaca ttgtttttca 180

cgatgcagcg gtttctgaga aagtaacact gggttcattt gccggagact acgaccaaga 240

tgatgacaat gcggcagctt taggtgaata ccttaagcga ccagtgcgct tggcgagtta 300

tgcatgggct caaggaggaa ggttttgcac agagcattac cccttgggcg gcatatttt 359

<210> 7279
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016f10b1

<400> 7279

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gagctgcccg ggccgccgga gctgagctga gctgctctga ccgccggagg cgaagaagaa 120

gaagaagaag agcaagaaga tgaagcggaa gacgcggaac aagatcgtgg tgacggtgct 180

gctgctgggg gcggcggcgg tgctgatcgg cggcacgctg gcgctgatcc tgacggcggg 240

cacctggaag gtgaagctca aggagtcgca ggagaaggtg tgcaacaagg ggtggggagt 300

gctccggcac caagtactgc tgcaaccaga ccatcaccga cttcttaagg tgtaccagtt 360

cgagaacctc ttcgccaagc gcaact 386

<210> 7280
<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016f11b1

<400> 7280

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agtaaatgca atgctgctgc agctgcaagg aaccgtcatc tttgtgagaa ccttgcggac 120

agttgctttc ctattaatca agggcattct gccagccgac ttcatgaatt tttcttgcgc 180

caattctgtg atgctcatac ttgcaatggg ggctccaaac ctttccccaa aggtggcagg 240

aaacaaacaa acagattcta cctggctctc tgcatcttga caatgctgct tttgcctgtg 300

ttctatctca tagtattttt acaccagagg gaaatgaaga agggagatca agttttcaaa 360

cgaatcggaa aacccgtgca caag 384

<210> 7281
<211> 157
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016g01b1

<400> 7281

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ggctacccgc agacggacct cctcacgccg attgccaccg ccggcgacat cacgcagatc 120

caggcctcgg tcggattggt cggcacgctc ttcgccg 157

<210> 7282
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016g04b1

<400> 7282

gcgtccgccc acgcgtccgc ataaacgctc ctgcaagcga gaccttcctg ccactccccc 60

gtgtggtcaa tgtcatggtg gccggagccg ccccgacacc atcgcttctt gcggcgctgt 120

ctatccgtgg tttccgtgtc acccacactt acggcctgtc tgagacctat ggcccgtcga 180

cggtgtgcgc gtggaagccc gagtgggacg acctgccgct ggaggagcgc tcccgcctgc 240

actgccggca gggcatcagg tacaccgcgc tggaaggctg gacggtggtg atcccgagac 300

aatgatccct gtcccggctg at 322

<210> 7283
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016g05b1

<400> 7283

cacgacagat ttctgggctg ggcatttacc ctgctgtcga tcctttggac tcgacatcaa 60

gaatgctttc tccccacgtt ctgggtgtgg atcactacaa cactgcccgt ggtgtccaga 120

aggttcttca gaactacaag aatcttcagg atatcattgc cattttgggt atggatgagc 180

tcagtgagga tgataagatg acggttgctt gtgcaaggaa gatccagaag ttcctgagcc 240

agcctttcca tgttgccgaa gttttcactg gtgctccagg aagtatgtgg atctaaag 298

<210> 7284
<211> 140
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016g06b1

<400> 7284

tggacgcgtg ggtttggttc gggcttcggg ggaaaggtaa ggccggggcg gggaggaagg 60

cccacaagcc aatttgggat tctttttctt cccttcaggc ccgggattcc ggcccttggc 120

ggctggccga acgggctggt 140

<210> 7285
<211> 364
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016g10b1

<400> 7285

gccgcctgct ccggggctcc caccgcggac accattgcag acaccagctg cgcggccgag 60

gcgattgttt gcacgacgtc catggcttcg cctcagggca ccaacacaac tcctgataga 120

gtcgaatcac cacaccgacg aagccttttc ttgcaagaat tcaagaatca gttccctgct 180

gtcgcaattc cacaaacaaa tggcatgcat gctcccggtc gcaggtacgg gtagcaaaat 240

ccccctttct atcaacctgg gtatcagacc taccgatcat ccgcttcaac ccagaaatca 300

tccgtccaaa gccaaacccc aatcgtcagt ccgaatttcc aaaaccgcag cacgaatcgt 360

gaca 364

<210> 7286
<211> 210
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016g11b1

<400> 7286

ctccccaacc agcgaggaag aggaagagga agcggatcga gccggcgaga gcgagggcga 60

ggacgatggc ggcgctccgg ctagcgggga ggagattttg cgaccgcgcg ctcgggagat 120

cagcgggcat tcacgagctc aaggctgcca aggaattccc cgacattgat cctgggcatc 180

tcaaggctgc caggaaacac cccaaacttc 210

<210> 7287
<211> 68
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016h01b1

<400> 7287

cttgcaccaa gagcttattt gttttgagct tccatcattg cattcatctt tcttggattt 60

gctccatg 68

<210> 7288
<211> 200
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016h02b1

<400> 7288

tgcatacatc gactttgaga agctggaaga tgccattttt gcccatagag ccttgaatgg 60

ggcagattta gggggcaagg aattgtgtgt tgatttccag aggtccagag gcagagcgga 120

acggttggaa gcaggcaact tcaacagtag aggatcattg ccacccggtg aaatgggagt 180

tggacatgca aagggtttct 200

<210> 7289
<211> 159
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016h03b1

<400> 7289

ttttatgaag gagcaggaga tgtaaaggca attgtaaatt ttgctctgtc gcaggtcaaa 60

ggtcttctca gagataggtt ggatggtaag acatcaggag gttcaagtgg caaaacctct 120

ggtggctcaa gggagaaaaa aactgaacca aatgaatca 159

<210> 7290

<211> 244
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016h05b1

<400> 7290

gggcgctcct ccccgcctcc ggcagcggcg gcgccggcgg cggggagcgc ttgagcatcg 60

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tggtgacggc ggcgtggacg ctggaggcga tgcacaccat ggtgatgatc ttcgccgacc 180

gcgagccggc catgtggtgc cccgcggggg accgggcggt gccgcgaccg ctgcgccggc 240

gccg 244

<210> 7291
<211> 261
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016h06b1

<400> 7291

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cgcagaagga tgatgatgac ctccggagag gccgtcaagt acaagagctc cttggatgct 120

ttccagcaga tcctgaagaa ggagggtgcc aagtccctct tcaaggggc tggtgccaac 180

atcctccgtg ccattgctgg tgctggtgtg ctctccggct atgatcagct ccagatcctc 240

ttcttcggca agaagtacgg c 261

<210> 7292
<211> 271
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016h08b1

<400> 7292

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gcccgaagag gagaagcacg gcgacctagc ccgagctcgc aaccatggct aggggtttga 120

agaagcatct gaagaggctc aatgccccgt ctcactggat gcttgacaag cttggtggag 180

ctttgcccc caagccatca tctggtcctc acaaggccag ggagtgcctg cctctgatcc 240

tcatcctgag gaacagactg aaatatgctc t 271

<210> 7293
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016h11b1

<400> 7293

cccgccgcca ccgccggcaa ccaccggatc cggagaagaa agaggcagcg cccggcgaag 60

cgaagcgggg gaagagatgg tgggcactcc gtcctcgccg gtggtgaacg tgtacccgct 120

cgccaactac acgttcggca ccaaggaggc caagatggag aaggacacct ccgtcgccga 180

ccgcctcgct cgcatgaagg tcaactacat gaaagaagga atgcgaacaa gtgttgaagc 240

aatcctattg gtgcaagagc acaaccaccc ccacatacct gttgttgcaa attggaaaca 300

cattttgcaa a 311

<210> 7294
<211> 401
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016h12b1

<400> 7294

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agacgagata tacaaaatct gtagcattct tggcacacca aatcagcata cttgggctgg 120

aggactgcag ctggcagcat ctatcaattt tcagtttcct cagtctggaa gcataaatct 180

ttcagaagtg gttcccacag caagtgaaga tgcgctgaac cttatttcgt ggctttgctc 240

atgggaccca cgtaaacggc caaccgcagt ggaggttttg cagcatccct tctttcagcc 300

atgcttctat gtccccccct cacttcgttt cagatcgacc ggatatgcaa caacaccacc 360

atcagttggg gctaaaggag ctatggacca gaagaatgct a 401

<210> 7295
<211> 382
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017a01b1

<400> 7295

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agtgggagcc aacgccaagc cagccgagcg gactcctctc ctcctcgcag cagttcgcga 120

ttcgccccca aatccagcgc cctccccgcc ggaatccggc gccgaatctt gcagagagct 180

tgaaccgagc tatggacaac ttgtggcatc tcggagatga gttccgtggg caatcaaagg 240

tggtggagga ccgccaatgg tctctcatga catcaaagct ggctgagatc acaaagtcaa 300

aggctgagag gatgaatgac tttgagtatg cacggatgaa caccgtccct gatgtgaagc 360

aatgggataa gttatcctac ca 382

<210> 7296
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017a02b1

<400> 7296

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cggcgtcatc gacaacatca agacccagct ggagagtgta tgcaagcaga ccgtgtcctg 120

cgccgacatt ctgaccgtcg ccgtccggga cttcggtgtc gcccttggag ggccatcgtg 180

gactgtcccg ctggggagac gggattccac caccgcaagt gcctcgctgg cgaacagtga 240

cctccctggc ccgagctcta gccggtcaca gctcgaggcc gcgttcctca agaagaacct 300

taacacggtc gacatggtcg cgctctcagg cgcgcacacc atcgggaagg cccagtgc 358

<210> 7297
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017a03b1

<400> 7297

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cagttctcgg agctggtgaa cgacctctac aacaacggtt tgccttccaa cctctccggc 120

gggcgcaacc cgagtttgga ctatggcttc aagggagctg agattgccat ggcctcatac 180

tgctccgagc tccagttctt gggcaacccg gtgaccaacc atgtccaaag cgccgagcaa 240

cacaatcaag atatcaactc tcttggtctc atctcctcca ggaagaccgc cgaggccatt 300

gacatactca agctcatgtc atccacattc atggtcgcct tgtgtcaggc catcgacctc 360

cgccatctcg aggagaatgt caaggatgcc gtcaagaact gcgtgaagat gacagccagg 420

aagacattga gcaccaccaa caatgggcac 450

<210> 7298
<211> 167
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017a06b1

<400> 7298

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gccaactata gtaccaggaa acctctgctg tggcgcctat tcaccttcaa accttatcct 120

gaatctaact ggagatcttt taaggtgcgt tgggatgagc cgtcaac 167

<210> 7299
<211> 336
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017a07b1

<400> 7299

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tggcatccga tgctgttggt actttggatg acaaggtaga tagtgacggt gaagacatca 180

tcgatcatca cgtggatgag gacaggatca ccgaagtgga gctgtggcaa caacttgaaa 240

acgagctgta ccggaaaagg gaaggggaga acaacatatt ggaagagatg actgaaagta 300

acatctgcga ggaagttggc ggcagagctc aagatg 336

<210> 7300

<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017a08b1

<400> 7300

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acaatacata ttatgtacag aattattcag gagttcttta gccacatcca aatagcgggt 120

ggcagacatg catggcgtag caaatttagc aaatgcataa gttatacagc aagcattttc 180

tgttgcggct tcgcatcttc gctgctgata ccacaacgac gatggagcct agccgactac 240

tacggtacta ttgaagtttc tttctagcga tacaccgaaa ccaagatcga ctccacgagg 300

gctgacgatc agaccagaac agagcctact cctccttcga ggcgtgcatg gcggacaccg 360

tggagaccat ggagtcgacg ccgcacttgt tgcgcacgtt ggagcccctg cagatc 416

<210> 7301
<211> 485
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017a09b1

<400> 7301

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tgctccgcct gcccggccgg cggcgcgcgg cgtccgtccg cgtctccgcc tccgcctccg 120

gcgccggcga gccggacctg tccgtgaccg tgaacgggct gaagatgccc aacccgttcg 180

tgatcggctc cggccccccc ggcaccaact acaccgtcat gaagcgcgcc ttcgacgagg 240

gctggggcgg cgtcatcgcc aagaccgtgt ccttggatgc tggaaaagtt atcaatgtaa 300

ctcctcgcta tgctcggctc agggcagatc ctaatggatc taccaagagt ccaatcattg 360

gatggcagaa cattgaactt atcagtgatc gacctctcga gacaatgctt aacgagttca 420

agcaactgaa gaaggaatac cctgatagga tactcattgg ctcaataatg gaggaataca 480

acaaa 485

<210> 7302
<211> 369
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017a10b1

<400> 7302

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tgccatcaag tgcccggcga ttgaggtggt ggttgtggac atctccaagc cccgcattga 120

cacgtggaac agcgacaccc ttccgatcta cgagcccgga cttgatgata tgttgtacaa 180

ggcttgcagg gggaagaacc tcttcttcag cactgatgtt gagaagcatg tcgccgaggc 240

cgacatcatc ttcgtctccg tgaacacccc caccaagacc cgcggtctgg gagccggcaa 300

ggctgccgac ctcacctact gggagagcgc cgcccggatg atcgccgacg tgtccaagtc 360

cgacaagat 369

<210> 7303
<211> 215
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017a11b1

<400> 7303

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cccggcaagg cggtgatcct tctccagggt cggttcgccg gccggaaggc ggtcattgtg 120

cgcgttttcg aggagggcac acgcgaccgc ccctacggcc actgcctcgt cgccggccta 180

gccaagtacc ccaagaaggt gatccgcatg gactc 215

<210> 7304
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017a12b1

<400> 7304

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ttcctcacgc acaccgccgg tcggatgctc gccacgctcg agctcagctc caccccaatc 120

aacaccaagg gctacgagac gctgctccgc ctcgtggaca atacctgcag cgacagcttc 180

gacctctaca acggcctctt catgtacaac aagaactcga cggacctgct caaccgcctc 240

gagtccgtca tggactccgt caaaaagagg ctcttcgacg gccctcacga ggtgctccgg 300

aagcagctct 310

<210> 7305
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017b01b1

<400> 7305

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cgagatcatc gccaacgacc agggcaaccg caccacgccc tcgtacgtcg ccttcaccga 180

ctcggagcgc ctcatcggcg atgccgccaa gaaccaggtc gccatgaacc ccatcaacac 240

cgtcttcgat gcgaagcgtc ttattggcag aaggtttgct gatgcccctg tccagagtga 300

tattaagatg tggccgtaca aggttattcc tggccccgca gacaagccta tgattgtagt 360

gcagtcaagg gtgaggacaa gcagttctca gctgaagaaa tttcttccat ggtcctcatc 420

aagatgcgtg agatcgctga 440

<210> 7306
<211> 305
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189017b02b1

<400> 7306

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aacgccccat ctcccttgga ggctcggacc ttgccgccgn gccccccccc ccccccctac 120

ccacccccttg agcgaggagg aggtcggtag gcatccccag atctgttaag ggattcgaac 180

tggagctctc gatcgctcac gcgccgggca caacctccgt ctgctcttat tgctcgccgg 240

cgacgcgagc atggagcttc ctccgtgctc gcttgggctc gggacaccgc tgctagtcaa 300

gacac 305

<210> 7307
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017b03b1

<400> 7307

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catcgccgac gcgtgcgagc gcttcggctt cttcaagctc gtcaaccacg gggtgcccgc 180

ggacacgatg gacaggctcg agtcggaggc cgtcaggttc ttctcgctgc cgcaggccga 240

caaggaccgc tccggcccgg cctacccgtt cggctacggc agcaagcgca tcgggctcaa 300

tggcgacatg gggtggctcg agtacctgct cctcgccgtc gacgccgcgt cgctctccgc 360

cgcctgcgcc gtcccgtcct gcgcgct 387

<210> 7308
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017b04b1

<400> 7308

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attggactgg gtggttcctt ttcaacaaaa gaaaccgaga ttagatgtac aaaaggaaca 120

gaaactcttt ggtcagatcg catctccgga aaagttactg tcttggctgg taatgcaaac 180

ttctgggcag ttggctgtga agatggctgc ctgcaggttt acacaaaatg tgggatgcga 240

gcaatgccag cgatgatgat gggctcctcg gctgttttta tagattgtga tgactgctgg 300

aaatt 305

<210> 7309
<211> 211
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017b05b1

<400> 7309

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tcggcgaggc cacggggctc gaagtcagag tcaccggtat tcagtacgcc ttcgcgccgt 120

gcatacgagg tgtgcagaga tccgaggtgg gggcggtgct acgagagcta cagcgaggac 180

cgccggatcg tgcagtccat gacggagctc a 211

<210> 7310
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017b06b1

<400> 7310

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tccacatcgt cctgctggct tccccggttc ttcctcgttt ttgatctcag tcactcatgt 120

cttttgaagt cagcgaggga tcccccttatt tgctctcgcg ctacttctgg ttcatatatc 180

gcataaaatt ccgggacttc acttgataca agtggatcat ctggagtttt gtgcgaatac 240

ttcctatcat gtgaatcagc ggtagttggc ttaattggca agactcaaac ttctctcatc 300

tgagttcaga aacatttgtt gcttgagtct ttggtgtact 340

<210> 7311
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017b07b1

<400> 7311

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gcacggcggc gcagggcggc ggcgcggacg agaaggacta caaggagccg cccccggccc 180

ccttcttcga ggccggggag ctcacctcct ggtccttcta ccgggccggc atcgccgagt 240

tcctggccac cttcctcttc ctctacatct cggtgctcac cgtgatgggc gtggtgggca 300

acccgtccgg gtccaagtgc ggcaccgtcg gcatccaggg catcgcctgg agcttcggcg 360

gcatgatctt cgtgctcgtc tactgcaccg ccggca 396

<210> 7312
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017b08b1

<400> 7312

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tacgaagcac gcctcggcta cagcattgaa gaccttcgac ctgctggagg cgccaagaag 120

ttctctgctg catactcgaa ctgcgcgaag aagccatcct gatatcgttt ttggcatccc 180

cttctcgtag tttaggattg ttatgcaatt ttattctgac tcttttctcc caccaatctc 240

tctggcttgc tgcttcacga taatcgacca gttctctagt ctttctccct ctgttcctct 300

ctgctctgct ctctgactcg aactgcaaca atggctgccc cgacctctgc gatcgggttt 360

gagggctacg agaagcgcct cgagatcacc ttcttcgagg catcaatctt t 411

<210> 7313
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017b09b1

<400> 7313

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ctgtcaaggt gttatctgtc gaatcaacac aaggactaat ggagtttctg aatgaactga 120

tgtcaatttc caacatatct catggcaatc ttgtcagcct ttatggctat tgtgtggaag 180

gaaaccagag gatccttgtc tacaattacc ttgagaataa tagccttgca caaacacttc 240

taggttctgg ccgcagcaat atccagttca attggagaag tagagtaaat atttgccttg 300

gtatcgcccg aggattagca tacctccatg atgatgtcaa tccccacatt gttcatcggg 360

atatcaaagc aagcaatata cttcttgata aggatctcac 400

<210> 7314
<211> 330

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017b10b1

<400> 7314

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gacgtccggc aatggccgcc ggggccgcaa gtacaggtac gaggaggacg acctggacgc 120

ggagaccgcc aggagcagca agctgatgat gccggacagc gaggagaccg gcgcgcgcga 180

gatgttcgac gaaataatgc tggaggggta cgagacgtgc atgcgaggga tagaggagct 240

gcgcctcgcc atggacagcg aggccaagaa gaagaacggg aaggcggcgc gcgcgaagaa 300

aagcgaggtt gtcgacctgc gcaccatgct 330

<210> 7315
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017b12b1

<400> 7315

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ccacgctggc gtcctgcctc ctcggcttcg cgctctactt ctacgcgccc tactggggag 180

tccgcggcgt gccgggccct ccggcgctgc cggtcgtcgg ccacctgccg ctgctcgccc 240

tccacggccc cgacgtcttc ggcgccctcg ccaggaaata cggccccgtc ttcaggttcc 300

atctggggag gcagactctg ggtgatcgtg gccgacccgg aactgtgcag gaggtcgggg 360

tccggcagtt caagagcatc 380

<210> 7316
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c01b1

<400> 7316

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cctccgcctc cgccctcgac gatgggtctc tgggatgcca tgtaccgcgt ggtgatgcgc 120

cgtaacggcg tgtacgtcac cttcgtcgtc gccggcgcct tcgctggcga gcggctggtg 180

gactacggcg tcaacaaggt ctgggagatg aacaacgtcg ggaaacggta tcaagacata 240

tcagttctgg ggcaaaggcc ggttgaggag tgaagacatt gaagcccaga tttcccatga 300

tcttttaagt gaaattaggc accttataaa gctccatgtt ttggcatttt cttttggcac 360

aataatattg taaaactctt gctgggtgtt attcactctc tctgagcact atggcaccca 420

tct 423

<210> 7317
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c02b1

<400> 7317

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ttcaaggtgg tcgacgcgga cggcagcggc gacatctcgg ccgcggagct ggcgagcgtg 180

ctccacggcc tcggcgagaa ggcgacggtg cagcagtgcc ggcgcatgat cgagggcgtg 240

gacaagaacg gcgacggcct catctccttc gacgagttca aggtcatgat ggcctccggc 300

ttggccgcca agatggcctg acccgtccat cctcttgttg attcagcgat ttcgtccacg 360

cctccctccc tccttcctct cgcgtgccgt gcggtgcggt gcggattaag tgcgaattaa 420

gtgtacataa ttcaagg 437

<210> 7318
<211> 172
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c03b1

<400> 7318

cccacgtttc cgcgaattct gtacattagg ttgtcctttt tcatttgtta caagcagcta 60

tatgtcatgt tagattcgtt tgagtgagta atggaacttt taggtctact tggcatgcca 120

ctgcaactta ctgttaactc ttactgcagt tatatttcat gttagattgg ac 172

<210> 7319
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c04b1

<400> 7319

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gtgctctgca ggcgcccatc ggcctcgacc cggccgacgg caggaggagc tcgagccgaa 180

gccgaggagc ggggccttga tccggacttg actgcctact ggagcagctg gagagaagtg 240

gtggatccga cggggctgga atccctcatc accgggcgtg gaggatgtat gactcgcgaa 300

ggaggtagca gattgagcaa aatggagtgg cctttcccat 340

<210> 7320
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c05b1

<400> 7320

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agaaagtgtt cgtccccacc gacgacgagc tgctccaggc gcagtgcgac ctgtggcgcc 120

acagcctctg ctacctcacg cccatggcgc tccgctgcgc cgtcgacctg ggcatcccca 180

cggacatcca ccggctacgg cggcgccgcg tccccgtccg agctcgtcgc cgccctgtcc 240

ctgcccgcgt ccaagctgcc gttcctcgcc cgcctgctcc gccagctcgc caccgcgggg 300

cgtcttcacc tccaccgacg ccgtaacgta ccggcttaac 340

<210> 7321
<211> 401
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c06b1

<400> 7321

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acttcttcaa cgagaacgag cagctggcct tcggtccggg gctcgtcgtg cccgggatct 120

actactcgga cgacaagatg ctgcagtgca gggtgttcgc ctacgccgac acgcagcgct 180

accgactggg gcccaactac ctgatgctcc ccgtcaacgc gcccaagtgc ggcttcaaga 240

acaaccacta cgacggcgcc atgaacttca tgcaccgtga cgaggaggtg gactactacc 300

cgtcacgcca cgcgccgctc cggcacgccg agccggacag cttccccgtg cccacgcggg 360

ccgtcgtcgg aaaaagggag aagacgagga tcaagaagga g 401

<210> 7322
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c07b1

<400> 7322

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agaaggctgc gcccaacgga gacgtcgcgg gcgaggaggt caccctcgcc gacgccgtcc 180

accccgccaa gtcctacgcc gccgtcgccg ccaacgccga gatcgaggac ctccgcgcca 240

ccaagctcga cctcgaggag cagctcgcca acgccagcca ggagaacaag accctcgccg 300

cggaggccca c 311

<210> 7323
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c08b1

<400> 7323

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gtccttcaga tgatatgttg ctgtggaacg gggtcctgtg ggatagacga agtcccactc 180

ctatccatca gtttgaccag ttcacagact attgtggcgg tggctttcat ccagctggaa 240

acgaggtgat tctaaattca gaggtgtggg atctgagaaa gtttaagctt ctgaggagtg 300

tcccatccct ggaccagaca gtaatcaaat tcaatggagg ggtgatgtta tctatgctat 360

c 361

<210> 7324
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c09b1

<400> 7324

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tcctgatact cttggcgtgt acagcaacct ggctgcgatc tatgatgcca tgggaagggt 120

ggaggacgcg atcgagatcc tggagcacgt gctgaaggtg cgggaggaga agctgggcac 180

ggcgaacccg gacgtggtgg acgagaagaa gcggctggcg gagctgctga aggaggcggg 240

gcggtcccgg aaccggaagc agaagtcgct ggagaacctg ttcgggtccg gcggtgctgc 300

gcggggtgcc aagaaggacg gcgccggggg caggcggtgg accaacttcg ggttcagggg 360

ctgagctgat gagaagaaaa c 381

<210> 7325
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c10b1

<400> 7325

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ctatggaatc cggccgcctc attttcggtt cggccgcgcc gtgccgcgct gccggcggcg 180

gaggaggtca gatgatgctc tttggcggca gtgggagctt ccttggaggc tcgccggtgg 240

tggccggcgt ggaggacggg cggcgtaaga ggccgttctt gacaacggtg gacgaggagc 300

tccagatgga cgaggagatg ta 322

<210> 7326
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c11b1

<400> 7326

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cctgacagtc cttattgttg gccgcctact ctgtgggttg ggttctgcaa gagctgtcaa 120

ccgacggtac attagtgatt gtgtccctgc aaggatacgc atgcaagctt cagcaggatt 180

cgtaagtgca agtgcacttg gcatggcttg tgggccagcg ctggctggtt tacttcagtg 240

gagatttaaa atctacatgg ttacgttcag tcagtcgact ctacctggtt ggttgatggc 300

agttgcatgg ctactgtact tagtttggct atgcatctca ttcaaggaac caaatcgtgc 360

cactgaggca gatgatac 378

<210> 7327
<211> 394
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189017c12b1

<400> 7327

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gccacctccc accaccgcca cctcgtccgc cccgccgccg cggcccctcg cgtgccgctg 120

cgtcccctcc gcttcgccgc cccccgatct ctcccgagga tttgttgcca atctatcaac 180

tcagctaacg tcttgggagc ttcctcaatg acagctgacg acgcagttcc acaaccagtt 240

gtactgatag accaagactc agaccgtgat gcaaccattg tgcagctgag ttctggagca 300

tcgtttgggg gcactacttg atacgatgaa ggcactcaag gacctgngcc ttgatgtgac 360

gaaggaagtg tggcaactga ttcatctgtc acac 394

<210> 7328
<211> 297
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017d01b1

<400> 7328

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caaggacaat ccgtgcccga gggcctactt ccggtgctcg ttcgcgccgt cgtgccaggt 120

gaagaagaag gtgcagcgca gcgccgacga caagaccgtg cttgtggcca cgtacgacgg 180

cgatcacaac cacgcaccgt cgcccaagca acaaggctct ggtggcagga agaggggcgg 240

cgcagccgtc ctccacgtat caccggcgcc ggtgcttgtt caggagcagc ggaagca 297

<210> 7329
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017d02b1

<400> 7329

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gtgcttgact tggtccctgt gaagaccgtt gatggcagcg ctcgcagcct gccggcgccc 180

ctgcggatcg cagacctgtc cccggcgccc atgcacggct cggagctgcg cgtggcgtac 240

cagggcgtgc ctggggcgta cagcgagaag gcgtccggaa aagcctaccc gggctccgac 300

gccatcccgt gcgaccagtt cgaggtggcg ttccaggccg tggagaactg gatcgcggac 360

cgggccgtgc tccccgtgga gaactcgctc ggtggcagca tccaccgcaa cta 413

<210> 7330
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017d03b1

<400> 7330

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gctgctcttc gcggcgggcg cggcggcgca gagcggctgc ctctccgcga ccttcacggg 180

gggccgcacg ttcctcaagt gcaaccagct gcccgtgctc ggcgccagcc tccactggac 240

gtaccacgcc gggaacggca cggccgacat cgctttccgg gcgccgtccg gcgccgacgg 300

tgggtcggct ggggcatcaa ccccggcagc agcggcatgg ccggcagcaa cgtgttcatc 360

gccttcaact ccaggctgca ccgccgtaac ctcacggagt gctaacggcg tgggaggggc 420

gtgctgatcc cgct 434

<210> 7331
<211> 460
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017d04b1

<400> 7331

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acctctccgg cctccaccca ggagagccct aagccggaag cgccttaccc ttaagctctc 120

ttgacctctc cccatggcgt ccgcgtggtg cctcttggcg ccggccgcca ccggcgcggc 180

gccgggcgct ctcggcgtct ccgcctccga atccagaggc gtcttcgccg cgcgggcggc 240

ggtccctgag aggacgcggc gcaggtggga ctcgctcgtg gtgtgcgtgg cccccgacga 300

ggagaagatt acgcggcgct cgcccctcga tttccccatc gaatgggaga aacctaagcc 360

tgggaggaga cctgacatct tcccaaagtt cagccctatg aaaacaccat tgccccatcc 420

attaccagct gatgatcctc tggatgatga tgaggaagaa 460

<210> 7332
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017d05b1

<400> 7332

ttgctgttga atgggccgtg tttggttgtt ttttcaatag tggtcaagtt tgcagtgcaa 60

cttctcgtct acttctccat gagaaaattg cagagcgatt tttagataga ctagttgaat 120

gggcaaagaa cataaaaatc tcagacccac tggaagaagg ttgcaggctg ggttcagtca 180

tcagtaaagg gcagtatgaa aagattaaga agttcatctc gacagcaaga agtgaaggtg 240

ctacaatttt gcatggtggt gaccgaccaa agcatctcgg aaaagggttc tttattgaac 300

ctacaattat aacagacgtt agcacatcaa tgcaaatttg gagagaggga agtctttgga 360

ccagtcatct gtgtcaaagt attcaagaca gagagtgaag ctgtagagct tgcaaatgat 420

acccactatg gc 432

<210> 7333
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017d06b1

<400> 7333

taacacatca ggaatacaca agagaaaaga agacccaacg gagctgaaat caaatggcat 60

cctccccttc tttccttctc ctcgctgctc ttcttgcctt ggtctcatgg caggccgttg 120

cctccgatcc tggcccgctc caggactttt gtgtcgccga catgcaatca ccagtgcgtg 180

tcaatggatt tgtctgcaag aacccgatgg aggtcaacgc tgatgacttc ttcaaggcag 240

ccgccctcga caagcctagg gtgaccaaca aggttggatc caacgtcacc ttgatcaatg 300

tcatgcagat tgctggactc aacaccctcg gcatctcaat cgcgcgcatc gactatgctc 360

ccttaggcca gaacccacca catacgcacc c 391

<210> 7334
<211> 431
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017d08b1

<400> 7334

gtgcaaggtg gtgatggcaa tggagagcga tggcgagcga gcgagcgagc aatcaggcaa 60

agcaaccttg gcgacggctc catttggata tttggatggg tcgagccgtc gacaacggaa 120

gataagctcg gagcaactgg gtgctgcaat ttggcctgga atgatagttc ctcctctctc 180

cactgctcgg tgcaactcgc ccaagtggat caaagcgaaa ctgtgccagt atcggatcgt 240

cgtggttcct tctgagtcgt agggttatat tttgtcactg tcagagtgcg tgtggtaaaa 300

attacaaact cgtgaatcgt gatcgagcat aatggaactt gtgaaacttt acaagcatct 360

gtggagagaa ttccgggagt gaattgttac cccatttgtt ctttgatcaa tgaatgtttc 420

ccattggcgt c 431

<210> 7335
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017d09b1

<400> 7335

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tgcaagatgg tgaagcttgc atttggaagc ttcggcgact cgttcagcgc cacgtccgtc 120

agatcgtatg tcgcggagtt catcgccacc ctcctcttcg tgttcgccgg cgtcgggtcc 180

gccatttcct acgggcaact gacgcagggt ggcgcgctag acccggctgg ccttgtggcg 240

atcgccatcg cccatgcctt cgccctcttc gtcggtgtgg ccatggctgc caacatctcc 300

ggcggccacc tgaaccccgc cgtcacgtt 329

<210> 7336
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017d10b1

<400> 7336

tgccacgcgt ccgcccacgc gtccgccacg cgtccggagc tcacgacgtc ccttctcgga 60

acgtccaacg ttcgtgcgtt ctccgccgcc aatcttcccg tggaagcccc gggcacgctg 120

gcgctgcggg ggaggtacaa cgtgacggct gcccgaaggc tctccaagtc atcggagatc 180

gtgacctgcc acgacttgaa gtacccgtat gcggtgtact actgccacac atccaacccc 240

accgccgtgt acgcggtgac gatggagagc atggaaaggg gcgcggcgcc ggcgacgatg 300

gaggcgctgg ccgtgtgcca cctcgacacg tcgcagtgga gcctgaagca cccgttcttt 360

gcgctgacaa cg 372

<210> 7337

<211> 398
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017d11b1

<400> 7337

ttcccacgcg tccgctcctg cagtggatca ggtcattgac caccgcccga tgcggcgtcg 60

gactagcgga tccacgctgc tcctccacct cccgaccaat gcccccggcc cgtcctgctg 120

ctcacctcct cctcacatat gcatcaacaa aacatggcag ccgctgcagt ccacatcgtt 180

caacagtagc aggtcaactc ctccaaggtc acacaagctc gccgccaaaa gcccacggtc 240

tattgagcca gagatggcac tggacgctgc cgtggccggt catctggatc ggagccacca 300

acccacgtcc gatagagggg ggctggtagc agccccgttg aggggattgg gcactatctg 360

cagctacaag tggcatcgac ctgcagctgc gggagcgt 398

<210> 7338
<211> 293
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017d12b1

<400> 7338

gggggcgcac cggacaccgc gcgacgtgcg gtgctcttcc ggccactgga ccctacctcc 60

ggctgaaccg tttccagggt tggcaggccg ttaagcagaa aagataactc ttcccgaggc 120

ccccgccggc gtctccggac ttcctaacgt cgccgtcaac cgccacattc cggctcggga 180

aatcttaacc cgattccctt tcgggggatg cgcgtgatcg cgctatctgc cggggttacc 240

ccgtccctta ggatcggctt acccatgtgc aagtgccgtt cacatggaac ctt 293

<210> 7339
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e01b1

<400> 7339

ttcgtatcca ggcatcgatc agcgcgcgcg cgcgcacaga cttcgataat catcgtcggc 60

ttccgagcga gaccggtcca atcttccaag aaaacgccgg aggggatgag ggaggagggg 120

ctgcggatgg cggaggacgc gccgggcacc accggccggc cgcggcggct gacgcgcgtc 180

cgcacgctcg gccggggcgc gtccggcgcc gtcgtgtcgc tcttcgcggc cggcgacggc 240

gacggcgacg agctgctcgc ggtcaagtcg gccggggccg tcgacgcgca ggcgctgctg 300

cggcgggagg gcggcatcct ggcctcgctc tgctccccgt acgtgctccc ctgcctcggc 360

tctcggt 367

<210> 7340
<211> 428
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e02b1

<400> 7340

ttatgatggt tgctgccagc tagatattca gtactcaatc tcagcgagtt gcaagttcac 60

tacaacaatg atagatctag agatttcaca aatccatctt tgcccacaga gcaacgccca 120

agatcctctc agcttggtta taatgatcct agccttttg gtttccaaca gcctggagct 180

gcatatggac aggctgcagt gattgctgct gcatttggcg gaacattgcc tcctggagtg 240

actggtacca atgatcgctg cacacttata gttagcaact tgaacagtga taaagtcgat 300

gcggataagc tcttcaatct attttctatt tatggaaata tagtgagaat caaggtactc 360

cgcaacaagc cagaccatgc ccttgtccag atggctgatg ggcttcaggc tgagcttgct 420

atacacta 428

<210> 7341
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e03b1

<400> 7341

ctcctccttc cgccccctc gctctccatc ccctccgggc catcgccgtc tgaatccttc 60

actagggtta gggtttacgt aacgaacccg cgccatggct accttcactt accaggtgag 120

cgcgatggct ggcgcctccc cgtcgtgctc tctcttcgtg agccggcggc ggccggcggt 180

catgcccctg cagatgcggg ttgctcgtgg cgggaggccg cgcgggttgg cgatgcaggt 240

gacgagcgag aaggtggtgg gaatcgacct gggcaccacc aactccgccg tcgcggcgat 300

ggagggccgc aagccgactg tgatcaccaa 330

<210> 7342
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e04b1

<400> 7342

ttgtcgtctt gggcatggac gtcgtcaaga acatcgagaa ggtgggctcc cgcagcggca 60

cctgctccaa gcaagtcgtc atcgccgact gcggccagct ctagatccgt ccgcccgccg 120

gtcgcctgtc gtcgtcgccc cgtgtcccgt gtcgtcgatc taaataagag agtcgtgtgt 180

cgtgtcgtgt cttccccttg tccgtccgat gagatctccg tggttggttt aggagggttt 240

taggtggact cttttggccg ctggatctgt gtccggcggc catggttatc ttcctgtgtc 300

tgctgctatc tcactgtttg aatgagatga actccgctat gaattatcca taatttgtgc 360

tcgttggctt cac 373

<210> 7343
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e05b1

<400> 7343

tcacgcgtcc gggcacagat gcggttttcc tctctcttat acgtgcattc agctggaatc 60

ccgctacatt tcttcatgca tacacatgcc ttcccccttgc ccaagcaaca agacaggctg 120

ctaccgcagt tttgcaggac attgctgatt cgggagttct gtttgcactg ttgatgtgtg 180

atcacaaggt tattagtctt gtgggagcac aaaaggcaac tttgcatgct gatgatatat 240

tactacttgc aaatttcata ttgtcctccg aatcttttag gacttcggag tctttttcac 300

ccatatgctt gccaagatac aatcctatgg ccttcctata cgcttatgtt catttttttg 360

atgaaaatac ttacttgact cttcttaccc gagatcagat gccttctttg atttgaaaga 420

tt 422

<210> 7344
<211> 325
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e06b1

<400> 7344

gccagtttca caaagattct gctcatcatg cacctcattg ctttcatcgc cctcacaatc 60

tttcttggag tccaggcttc ttcccacccg aatcctacct acaagccctt cgcccacttc 120

attccgctcg cctcttctgt gatattatct attatcgctg cctgcttttg gactatcctt 180

gctgtcacta atcctgcaaa agccatcaaa acatctctct ggacagctcc tgtttccgca 240

cttggctgcg atgtagtcat actccttgtc ggtgacggcg aagcccttgg catcggagtg 300

ctcatagtgt gatcgccatt gcagc 325

<210> 7345
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e07b1

<400> 7345

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ggcgggcgtc gccctccggc gcagcagctg ccgcccccac accgccgtgc gcttccagcg 180

cccggggctc accaccaccg cgctcctcag gcccaccgag ctcaagccca aggaccaggg 240

ccagcccgag acgctcgact accgcgtctt cctcgtcgac ggcgccgacc gcaaggtgtc 300

cccgtggcac gacgtgcc 318

<210> 7346
<211> 368
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e08b1

<400> 7346

ttggcgaagc acccgcagat tgacgtgccg aacctccagg tgatcaagct catgcagagc 60

ttcaagtcta aggaatatgt cagggagacc ttctcgtggc agcattacta ttggtacctc 120

accaacgatg gcatcgagtt cctgcgcaac ttcctcaacc tgccatctga gatcgtgcct 180

gccactctca agaagtctgc caggcctcct ggccgccctc ttggctctgg cccacctggt 240

gaccgcccaa gggggccacc tcgctttgag ggtgacagac ctaggtatgg tgacagggat 300

ggctaccgtg gcggtcctcg tggtgcacct ggtgactatg gtggtgagaa aggtggagcc 360

cctgcaga 368

<210> 7347
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e09b1

<400> 7347

tccacgcgtc cgcccacgcg tccggcctca aggcctcgct caagcggctc aacatggagt 60

acgtggacgt cgtgtactgc caccggcccg acgcgacgac gccgatcgag gagacggtgc 120

gggccatgaa ctgggtgatc gatcaggggt gggcgttcta ctggggcacg agcgagtgga 180

ccgcgcagca gatcaccgag gcctgggggg tggcgaaccg gctcgacctc gtcgggccca 240

tcgtcgagca gcccgagtac aacctcttct cccgccacaa ggttgagtct gagtttgtac 300

ctctctacag tacttatggc attgggttga ctacatggag c 341

<210> 7348
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e10b1

<400> 7348

ttcggacgcg tgggtggcga tatttctgct attcctggaa tttcagctgc tcttgaggaa 60

actataaaaa atgctattga agactcaata acatggccag taaggaaagt cattcctata 120

gtacctgggg actacagtga tctggaactg aagcctgtcg gcacattgga agtcaagctt 180

gtgcaagcaa gagatttgac aaacaaggat ctgataggaa aatcggatcc ttttgccact 240

ttatatatcc gaccattgcc agacaaaacc aagagaagta aaacaattaa caatgatctc 300

aatcccattt ggaatgaaca cttcgagttt attgttgaag atgctgatac tcccagcgtg 360

acagtcaaga tttatgacga tgacggtatt caagaatctg atc 403

<210> 7349
<211> 456
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e11b1

<400> 7349

gcgcctcgcg ctcctcttct tcgtcttcgt cgccgccacc ttcgccttct gggaccgcca 60

atcgctcgtc agcgagcacg agtctgagat ttcccgatta cgaaatgaaa taaatcagtt 120

gcatggtcag ttaaggaagg ctggtgttct actggaagaa aatccagcaa ctgaaattcc 180

cagaaaagat cttgtagaga ttgatcctat taataatgaa aggagggaaa aggttaagga 240

ggctatgctc catgcctgga attcctatgt aaagtatgca tggggaactg gtatgagctt 300

cagccacaat caaagaactg gtgttaatag ctttggcggt cttggggcaa cccttgtgga 360

ctctctagat acactgtata taatgggcct aagagatgag tttcagaagg ccagagactg 420

ggtggcagag tcattaagct ttgacaggat tatgac 456

<210> 7350
<211> 471
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e12b1

<400> 7350

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ctcggtttcc atcccaccaa ttaagcaatg ggctttatgt ctctgggcga cctgagcaac 120

caaaggagaa ggctccggtt gtttgctctg cagctatgcc atacactggg ggtgacatca 180

agaaatcagg agaactaggg aaaatgtttg atctccatgc tgagaagtca cggaaatctg 240

gccctttggg taatcaacct tcaaggaata cttcatttgg tggtgctgct tccaattctg 300

gaccagtatc tagtgctgct tctcgatcca actactctgg ctctatttca gcagcggttc 360

ctggcactgg aggttcggca agggcaaaat ctaattctgg accgctcaat aagcatggag 420

aaccaaaaag agatcctctg gccctcagtc aggaggagtg accccaatgg c 471

<210> 7351
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f01b1

<400> 7351

ttccacgtgt ccggtccgtc cgtccgtccg tcggcttaaa ccctagacga gccgcccctc 60

ctccgactcg ccgccgccgc cggttgccat ggagttctgg ggccttgagg ttaagcctaa 120

ccagtccgtc aaggtttcac ctgatgatga ccacttcctc catctctccc agggggccct 180

tggcgaagtc aagaaggatg acaaggcaac catgttcgtc aagatcggcg accagaagct 240

ggccatcggg accctctcta ccgacaagtt ccctcagatc cagtttgacc tcgtcttcga 300

gaaggagttt gagctggcac acaattccaa gacatccagc gtct 344

<210> 7352
<211> 356
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f02b1

<400> 7352

atagctgtcc cgatcctcga tctgttctca accctccctc cgtccgtcgc agctccagat 60

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tgtggccagg gttgcgctcc agagccccga tgtcgagctc gtcgccgtta acgacccctt 180

catcaccacc gactacatga cctacatgtt caagtatgac actgtccacg gacagtggaa 240

gcaccatgaa gttaaggtga aggactccaa gacccttctc ttcggtgaga aggaggttgc 300

ggtgtttggc tgcaggaacc cagaggagat cccatgggct gctgctggtg ctgagt 356

<210> 7353
<211> 442
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f03b1

<400> 7353

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ttgatagttt aaagacacag gaacttcttg ataggccttg cagtggcatc aatggcttag 120

tcgcatcttt tgttgcacga ctaagggagg agaatccttc tcgtgagcat actattgtaa 180

gaactgcaca aaaacttaag ccattccctt ttaacaagtt ctcagcaaat ggctatcatg 240

atttcctgcc gtcgcggctg cgtcccaagt tccaggatgt tgatagcgat gagtctgctt 300

cctctgaggt tctctgcctg atatgtcgaa gtccattcag tgaatcagaa ctccagaatt 360

ttgaaagcac aaggcgcaag tctcagaaga aaattgatct gtatactgct tattgctgtc 420

aaagctgtca tttccagatt ct 442

<210> 7354
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f04b1

<400> 7354

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gtggttgcta tcggtgctac taccgccgcc gtccaaaccc tagccctgat gccgcagcag 120

gaggtgcccg accagatcgc cgcagggtgg ctcgcggtgg aggcgccgga gcgaacgggg 180

agcctccaga ggagcggctc caacagccgc ctcaacgcgc aggcgccgga attcgtgccg 240

cgggtcgcgg ctggtggttc caccgccaca gccaccgccg gcagtgattc gtgtgtttgc 300

ggtgccctcg cctccacctc gcgcggcttt ctttgcggct cccccgcctc ccccgtcgt 359

<210> 7355
<211> 269
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f05b1

<400> 7355

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tcaccgagct gatcgggaac acgccgttgg tgtacctcaa caaggtgacc gacgggtgcg 180

tggggcgcgt cgccgccaag ctcgagtcca tggagccctg ctccagcgtc aaggacagga 240

ttgggtacag catgatcacc gacgcggag 269

<210> 7356
<211> 255
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f06b1

<400> 7356

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gttggtgtac ctcaacaagg tgaccgacgg gtgcatgggg cgcgtcgccg ccaagctcga 120

gtgccatgga gccctgctcc accaacaagg accggactgg gtacaggatg aacaccgacg 180

cggaggagaa ggggtccatc gtcccaggca agagtgtgct gattgaacca accagtggca 240

acacaggcat tgggc 255

<210> 7357
<211> 53
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f07b1

<400> 7357

tgttatcatt cccattctga taggactgct aacaatccat atgaacaaaa gag 53

<210> 7358
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f08b1

<400> 7358

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tcgagagaga ggccgagtag ctagcctagt ctagggtttc ggtagagagg aagtgagatc 120

catggcggag acggagtacc gctgcttcgt gggcggcctc gcctgggcca ccgacgacaa 180

caacctccag caggccttca gccagtacgg cgagatcctc gacgccaaga tcatcaacga 240

ccgcgagacg gggaggtccc gtgggttcgg cttcgtcacg ttcggcagcg aggagtcgat 300

gcgccaggcc atcgaggaga tg 322

<210> 7359
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f09b1

<400> 7359

ttcccacgcg tccgccgacc acccccctct agctcggcag ccatgaactg cggaaggggt 60

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ggtgcctgtg ccgtccagtg cgcgcagtgc tgctgcgtga ctcgcgtcgg cggggctggg 180

cgacagctca gtgtgatgcg ccccatcccg aacttcggcg gtggccgcgg caagaagcgc 240

gccgtgctcg tcggtatcaa gtacaccaag acgcgtgcct gcgagctgag gggtcccatc 300

aacgacgtca agtgcatgag gtac 324

<210> 7360
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f10b1

<400> 7360

tggaaccatg ggtggaagcg gctcacatga ggaggggcaa cagctcaaca tggcttgggt 60

ggcaattctg tgtcgctagt gtggcggggt tgtcggctcg gtcgacgcgt cccagaggag 120

gcggtctgac tttacgtcag ggcagcggcc ccggaggagt tggtggcggc ggtcgtggtc 180

tgcgggggggt tgccctgttc agcttgggtt gtgggtgact aagtcgtgcg gcattgcagc 240

ttgagggaga gcggtggtat gtcgggacgg cggtcccgga aggtggtat 289

<210> 7361

<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f12b1

<400> 7361

tgtcctcaca aggccacggg cagtgcgctg gcctggagat gccttatcct gaggaacaga 60

ctgaaaggtg ctttcaccta ccgtgaacag caatacaatg cttatgcaga gttatatcat 120

ggttgatgga aaggggcgca ctgacaagac ctaccctgct gggttcatgg acatcattgc 180

catgcccaag actggtgaga actacaggct tctttatgac accaagggtg gcttccgcct 240

taactataca agggatgagg at 262

<210> 7362
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017g01b1

<400> 7362

tccacgcgtc cgcccacgcg tccggctacc catctggtgg ccacgggtac cccccgcagc 60

agcatggata ccctcagcaa ggctaccctc ctcagcatgg ctacccaccg cagcagcatg 120

gctaccctcc acagcagcat ggctaccccc ctgctggcta ccctggctca tctggtcaca 180

gtggtagcca tggaggagga ggcatgggca tgggtggcat gctggctgga ggagcagcag 240

ctgctgccgc tgcttacgga gcacacaagc tttctcacgg cggccacggt ggaaggtgga 300

cacatgatgg gaggcatgat gggcggccac ggaggctacg gcggcgggta cggccaccac 360

ggcggtaagt tcaagcacgg gaagcacggc cacggcatgt tcaagcacgg caagcatggg 420

aagcacggca tgtt 434

<210> 7363
<211> 331
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017g02b1

<400> 7363

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ccctccggct tcccctccag gacgtttaca agattggtgg cattggaact gtgccagttg 180

gccgtgttga gactggtgtc atcaagcctg gtatggttgc tacctttggt cccactggtc 240

tgacaactga ggtcaagtcc gttgagatgc accatgagtc tctcctggag gcgcttgccg 300

gtgacaacgt cggcttcaac gtcaagaatg t 331

<210> 7364
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017g04b1

<400> 7364

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cgccttctac tactctttct tccaggacgc cgccgccgcg tcgccgctcc cgctcgcgct 120

cgacggagcc gccatgccta acaaccgccg gaggaagcgc ggagtggacg acgactccgc 180

cgcggcgccc atcaaggacg gtagcaacaa cggaaggaag cgctccatcg ccaccataat 240

aacttcgctc gccgcgctcg aggccgaggg ccacgccgac agcgcggggg ccgccgacgc 300

ctcccgccgc gagctcgcgc tcttcgagtc caacgccgat aacaagtcgc aggccatgat 360

ggactacttc gccaagatgg agggcagct 389

<210> 7365
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017g05b1

<400> 7365

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aagctgcacg ctatggaagc actgaactcg tccgcatctt acttcagatt gctcaaagga 180

acagcttgga cattgatgtg gatctagccc ttggttttgc tgcccactac gggaaactcg 240

aaaccatggg gtgcttagtt gaggaaggta atactgtcgc cttccttggc cctttaatgc 300

gggcagctga gcgtggatgc tttcaagttg tggaatggtt tgtgaaccgt ggctgtcggg 360

acatggagct ttgcctggcc cttactgctg ccacctctag tagccaggtt gaagttgctg 420

ccta 424

<210> 7366
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017g07b1

<400> 7366

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gagggccgct cccgggcaaa gcccgggcag ggccggcggc ggcggggcct ctccaccgcg 120

cgactcccca ccccatggcc atggcgcatg tctctgtctc cagcggcgct tggtggcgtg 180

gtgctgcgat tcgcggcggc ggcggcctgg cgcggtggct gcgggggtgg tttgagcccc 240

gtacggtggt gctgcctgtg gcagcgatgg ctgctggttt cgagtccgcc ccgatcctct 300

tctttggatc tggatctggc cggcccgtac tcggtcgtgg ctg 343

<210> 7367
<211> 443
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017g08b1

<400> 7367

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tgctgttgag tataagaaat ggaaagttgt ttggcatttc tgtggtaccc cagagctgga 120

aagaatggtg aatgtcatgg attatgaagg gaatacagct ctgcatcttg cagtcaagaa 180

tgcagaccag atgatagtga gccttctgat ggcaaataaa aatgtactgc caaatatagt 240

gaacaacaag ggcctcactg ccttagatct tgcggtactg gcaactgaca aagggatgag 300

ttatacactg aatccacagg tcattatact tcgctgttta gcatggacag gagctgtcct 360

tactccgcgt cgcctggatc atttcataga tgagttccac attgggaaag cctctgggaa 420

cgagctaaag aaattcagca aca 443

<210> 7368
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017g09b1

<400> 7368

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attgggtagt ctttctcccg aggtgtctgc tatatatctt gcaatgcagc actctaagct 120

ggagtgtatt gatgaacaaa gtcaagattc tatctcaaca gatggcgggt gtgctgatcc 180

tgatgagact gaggagcttg atgagtttga cccttatacc ttcataaagg atttgcctga 240

gttatctatg gttgtaccca agtttcgacc cgttcttctt ccaaagcaaa ctcggagctg 300

ccctcgaacc acccttgtcc ttgatctgga tgagacactg gtgcattcta ctcttgagcc 360

gtgtgaagat tctgatttca ctttcccagt tcatt 395

<210> 7369
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017g10b1

<400> 7369

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ctcatactac cgaaggaact accatatgaa tttttgaaga aaatcacgga tgacttctca 180

gatgaccgta aaattagtga tagtccattt ggaatacttt ataagggaat taatccagat 240

gatggcaaag tgattgctgt gaagaaactt caggaaaacg caccgatgcc acctaacaaa 300

gcatttgcgc aagaggttca gaatgttatg gcgctcaaac atgataacat agtacagttg 360

gttggattct gcagtgaaac aacaaagaga ttggtgcagt ttgataaaag atata 415

<210> 7370
<211> 426
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017g11b1

<400> 7370

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tgagatgcct agttcagttg atacatacac acatcgcatc ggaagaacag ggcgtgcagg 120

aaagaaggga cttgcaactt cattcttgac cctggataac actgatattt tcttcgatct 180

gaaacagatg cttactcaga gcaatagtcc cgtccctcca gaacttgcta ggcatgaggc 240

gtcaaagttt aagccaggat cagttcccga tagacctcca agaagaaatg acaccgtcta 300

tgcatctcac tgaagcaatc tgccgcagaa gaggtgggag atccttcctg ggtataattc 360

agggccacca actgtgtcga gatttagtac ttatgaggta caaacatcat aacaattgaa 420

caatta 426

<210> 7371
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017g12b1

<400> 7371

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ggcagaggca gaggagggtg gcgccgccgg cagtgggcca tgcgggggcg ccccgggtgc 180

tgcaggcggg ggacgcgctg ccgctcccga tccggcacac gaacctcatc ttctcggcgc 240

tcttcgcggc ctcgctcgcc tacctgatgc ggcggtggcg cgagaagatc cgctcctcca 300

cgccgctcca cgtcgtcgac ctcaccgaga ttctctccat cttcggcctc gtcgcctcgc 360

tcatctacct gctcagcttc ttcggcatcg ccttcgtcca gtccatcgtc tcgtccagcg 420

acgaggacg 429

<210> 7372
<211> 243
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017h01b1

<400> 7372

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caaggccttc aaagggtttg gctgtgatag tacaacagtt tcaaatatac ttgctcaccg 120

tgactcaatg caacgtggat acattcaaca ggaatacaaa actatgtatt ctgaggaact 180

ttcacgtcgt atatcgtctg gactcagtgg aaaccacaag aaagcaatgt cgctctggat 240

tct 243

<210> 7373
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017h02b1

<400> 7373

cccacgcgtc cgcccacgcg tccgctccga cgaccaccac cgacggcggc gacgatgcag 60

gcggcggcgg cggcgacgcg gcgccacctc ctcgaccagc accacctctc cccggcctcc 120

tcggccgcca tcgccgcctt cagatccgcc gcccagccgg cgctcgggcc ccaagggttg 180

ggcggggcgg atggcgcgag gtacatgtcc gcgcgggcgc cggccgtcaa gggcgccggg 240

catctcgtcc gcaagggcac cggagggagg tcgtccgtga gtggaatcgg cgctacggcg 300

tttggagcta ctgga 315

<210> 7374
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017h03b1

<400> 7374

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caagcgcctc cgcggcggcg gcttcggcga ccacgacggc agccggctct ccgaggacct 120

cctccgcgag gccgcgtgcc tcgaggcctg ccgcggccac ccgtccgtcg tcgagctgcg 180

ggccgcgcac cgtgacggcg cgggcggcgc gttcctcgtg atggagtacg tcgggcccag 240

cgtggcgcag gtcatgcggg agcgcggccg gcccttcccc gaggccgacg cgcgccggct 300

catgcgccag ctcctggacg gcgccagggc gatgcacgac ctcagggtcc tgcac 355

<210> 7375
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017h04b1

<400> 7375

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atgttttggt ttgatgaaga acagcagaga tgggaaaagc tacagtacta atttggcttt 120

cacacctcct gagtacctta agacaggtag agtaatccct gagagtgtgg tctacagctt 180

cggtaccatc ttgcttgacc tcctaagtgg gaagcacatt ccaccaagcc atgcgcttga 240

ccttatcaga ggaaggaaca tcaccgtgct catggattct tgcttggatg gtcacgtctc 300

cagttctgat ggaacagaaa tggtgcggtt agcatcacgc tgcttgcaat atgaagc 357

<210> 7376
<211> 481
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189017h05b1

<400> 7376

agctgaggct atcttttcag ctgcatttag tgaacctgag aatggcctgt caacagccct 60

taagttatcg gctgaaggta atggccaatt ggatgctatt agtggaaatc cacctgcgac 120

agataattgt cagacaaatc accatagctc tgaatgggtt gagctatttg ttagagagat 180

gatgagtgcc tctgacataa atgatgcacg ggctcgtgca tcaagagctt tggaggttat 240

tgagaagtcc atcatggagc ggacaggagc cgaggcagtg caaaacttgc acaaggaaaa 300

taagatgcta aaggagcaat tagcaatagc tcttcgagag aatgctgttc tgaagcgngg 360

ggttgcaatc caacacgagc gccaaaagag tttgatgata agacaangag gttcacaacc 420

taagcaattg attttgcagt atcaggaaca actaaagact ctcgagatca ataattatgc 480

a 481

<210> 7377
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017h06b1

<400> 7377

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gccagttatc ggtctgcgtc ctcctcctgc tcgtgctcgc ggggcagcag caggcggcgg 120

ccaagaagta cgccgccatc ttcaacttcg gggactccct cgtggacgcc ggcaacctcg 180

tcgtggacgg catccccgag tacctcgcca cggcgaagct gccgtatggc atgacctact 240

tcgggtaccc caccggccgc tgctccgacg gccgcctcgt cgtcgacttc atcgcgcagg 300

agctggggct gccgctgctg ccgccgtcga aggcgcgcaa cgccacgttc caccacggcg 360

ccaacttcgc catcaccggg gccacggcgc tggac 395

<210> 7378
<211> 270
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017h07b1

<400> 7378

tgcgcaggct accccaaaac caccggatag tcaatccctc ggcgggccac gagcgcgaga 60

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ggggtgcggc tgcacgtggc ggaggtgggg cccgagaacg gttccgtggt gctgctcgtg 180

cacggtttcc cggacctctg gtacggctgg cgccaccaga tggtcgccct ggcggtccgg 240

ggctatcgcg ccgtcgcgcc cgacatgcgc 270

<210> 7379
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017h08b1

<400> 7379

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cccgatgtga ggcgcgcgaa atccctccgc catggagcat agtgacggcg agaccgccgc 120

taagcgagcc aagctctcct ccagcggcag cgaggacctc ctcagcgcgc tatccgacga 180

cgttctcatt cacatccttc tcaggctccg caacaccgcc gtcgccgctc ggaccagcgt 240

cctctccagc cgctggcgcc gcctctgggc ccttctcccg ggcctggact ttctccccga 300

caccaaccca tacagcatac c 321

<210> 7380
<211> 356
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017h09b1

<400> 7380

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acaaaacttg cagtaataat tgaaggggta gcaaatggac ttctctactt acataagcac 180

tctcgattgc ttgtcataca tcgagatctt aaaccaagca acattctctt ggacagtgaa 240

atgaatccaa aaatttcaga tttcgggctc gcaaaaatat tcagctcaaa tgacaccgaa 300

ggagacatta caagaagagt tgttggcaca tatggctaca tggcccctga gtatgc 356

<210> 7381
<211> 325
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017h10b1

<400> 7381

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gcgcctcttc cgcgccggcg tcatggactg gcacacactg gcccctaagc tcgcaccgca 180

catcgtcgcc agcgcccacc ctgttgaggg cgaaggcggc atcggcagcg tcaggcagtt 240

caacttcacc tcagccatgc ccttcagcct catgaaagag aggctcgagt tcatcgacgc 300

cgacaagtgc gagtgcaagt ccacc 325

<210> 7382
<211> 266
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018a01b1

<400> 7382

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ctccgccgcc gcaggacact cctgctcgtc cacctcctcc tcctccgtca agatggcgcg 120

ctcggcgctg gacgaggtga ccgacaccgg cgccttcgac cggacgccgt ccaccttccg 180

gagcttcgtg tcgagggacg cctccgcccg cttccccgcg gtggcgggca ggtaccacct 240

ctacgtcttc tacgcctgcc cctggg 266

<210> 7383
<211> 195
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018a02b1

<400> 7383

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aagccgatgt caattgccgc ggctgtcacc ggaaccgcca ccgcggcggt gcatgcgccc 120

gtgcaccacg cgccggacca cgcctatacg cagcgcacgg cgccgcggcg cgagcagtcg 180

ccgatcaacc cgagc 195

<210> 7384
<211> 235
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018a03b1

<400> 7384

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gcgaaggcga ggacgccggc aagatcgagc tgctgcaggc ttttcaggcc gtggaggcgg 120

ccgtgcggag gttcttcttc gcgtaccggc aggtcgtggc ggccgtgtgt ggcacggcgg 180

aggcgtcggg caaccgggcg ctgtttgcgc cggcggaggg gacggacccc ctgtc 235

<210> 7385
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018a07b1

<400> 7385

cccacgcgtc cgcccacgcg tccgcccacg cgttcgcgga cgcgtgggtc cagttatgca 60

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ttgtaattgt tggggatgat cctaatggtt tacttattga tgccaattca ggaaagactc 180

ttcattccat gaaaggtcat catgacttct cattcgcatc agcctggagc cctgatggcc 240

gaacgtttgc tactgggaac caagacaaga catgccgaat ctgggacgcg aggaacctat 300

caaaagcagt ccatgtattg aagggtaacc ttggagccat cag 343

<210> 7386
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018a08b1

<400> 7386

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aggcgctcat gcccgtcgcc gtctactcca tcggcgtcct cttcaagaag gagaccttcc 120

gctcctcctc catgctcaac atgctctcca tctccttcgg cgtcgccatc gccgcctacg 180

gcgaggccag gttcgacctc cgcggcgtcg cgctccagct cgccgccgtc gccttcgagg 240

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tcac 304

<210> 7387
<211> 432
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189018a09b1

<400> 7387

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gccgggacga agaccgtcga ctacgcggcg gaaagagcgc tcgccaagga cttcctcacc 120

aatttcgccg gcccgcacgg cgagcccaag taccagaaca tcctgcaaga catcgcgaac 180

cggaagatcc gcgccgccca gatcgagctg gacgacctgt tccactacaa ggatgtggac 240

gaggagttcc tgcagagggt caccgagaac accaagcgct acattggcat attcgccgag 300

ggccgtggac gagctcatgc ccgagcccac ggaggccttc gctgtggacg aggacaggga 360

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ttacagagga tg 432

<210> 7388
<211> 313
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018a10b1

<400> 7388

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ctgctcttct gccccatcgg gatcgccgct cacgcgctga ccaaggtact cgcgggttcc 180

acaggtcgat cacactgacg accgattgcc tgtaggcagg ctccccttgt ttagatgtct 240

cagatcgtga gggtcagata tatgaataaa attgatttgg tgcaccattt gttctatata 300

gatttcacat tga 313

<210> 7389
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018a11b1

<400> 7389

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ggcattggct tctgcacttg ccaatacacc cccagagacg caaagaatga tgcttggcga 120

gaacctgtac cctgttgttg atcagctgga gcacgaccag gctgccaagg tgaccggcat 180

gctcctggag atggatcaga ctgaggtgct tcacctgctt gagtcgccag acgctctcaa 240

ggccaaggtt gctgaagcca tggaggttct ccgcagcgct cagcagcaca ccaaccagtc 300

ccctgagcag cagctggctt cgctctcgct gaatgacggc ctcatctctt cctaagctct 360

acggcgacaa tttttgcacc atatcaaaac ttatctagac tgaaaatgac ttggctttat 420

tg 422

<210> 7390
<211> 131
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018b01b1

<400> 7390

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gctggtgcac t 131

<210> 7391
<211> 71
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018b02b1

<400> 7391

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ccaaacggca c 71

<210> 7392
<211> 182
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018b04b1

<400> 7392

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ggccaccgtg ggcgtctgga tcgacgccgg gagcaggtac gagacggagg aggcggccgg 180

gg 182

<210> 7393
<211> 137
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018b06b1

<400> 7393

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ggaatggtca aggcggg 137

<210> 7394
<211> 201
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018b07b1

<400> 7394

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gtgtggcagc acgaccgcgt cgagatcatc gccaacgacc agggcaaccg caccacgccc 180

tcgtacgtcg ccttcaccga c 201

<210> 7395
<211> 137
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018b08b1

<400> 7395

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aaccgcgccc gcgccgtgga cggtgtctgt ccggtggcgt gggacaacaa cgtggccagg 120

tttgcgcagg actgggc 137

<210> 7396
<211> 228
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018b09b1

<400> 7396

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ccgagcagca gatgttggga ttgaccaacc tccagcaatc ttcccagcag gcagaggatg 120

cattgtcaca aggaatggaa gcattgcagc aatcactggc ggagactttg gctggatctc 180

tgggttcctc cgctggctct tcagggaatg ttgcaaacta catgggtc 228

<210> 7397
<211> 446
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018b10b1

<400> 7397

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gcggtggcgg ggaccagcgg cagatcggcc gtgcggtgcc aggccctcgg gctccgtcaa 120

ggttgctaaa atggataagc tcaagggctc tgcgcgtctt atgattgttt cagatctcga 180

tcacacaatg gttgatcatc atgacgaaga gaacctgtct ttgcttaggt ttggggccct 240

ttgggagtct gtttactgtc aggattctct tcttgtcttt tcaacaggaa gatcacctac 300

tctgtataag gaattgagga aagagaagcc tatgctaact ccagatatca ctattttgtc 360

tgtgggctct gagataactt atggtgaagc catggtccct gatcatggct gggaggaata 420

tctgaacaat aagtgggaca ggaata 446

<210> 7398
<211> 358
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018b11b1

<400> 7398

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gaaggtgaag ctgggcaagg agcccatggc gctcttcacg gagggcggca tcaaggacct 120

agccaagctc cccatggagc agatcgacgc cgacaagctc accaaggagg acgtcgacgt 180

gcggctcaag tggctcggcc tcttccaccg ccgcaagcag cagtatgggc ggctcatgat 240

gcgtctgaag ctgcccaacg gcgtgacgac gagcgagcag acgaggtacc tggcgagcgt 300

gatcgagaag tacggcaagg agggctgcgc cgacgtgacg acccggcaga actggcag 358

<210> 7399
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018b12b1

<400> 7399

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aattcgacaa gaaaatgctg agttacaaaa aaagctctct gagacggtgg cagcgactga 120

agttaaccga gattcaagaa ctacatacaa ttttgcagtt gttgaagatg ccaatgtttc 180

tgttgatctt gaactcaatt caccgcagca acaaaatgat gttgagcata ctgcgccccc 240

taaactagga ttgcaactac atccatgacg atcgtggggt atgggattac tcttgttgtt 300

attattctca agggatacaa ttcagagcag ccagaatact cttggttgta aag 353

<210> 7400
<211> 231
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018c01b1

<400> 7400

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tgtcgcctac tctcgtgaag gaccaaccaa agaatatgtg cagcataaga tggtggacaa 180

ggccaccgag atttggaacg tcatttctca aggtggttac atatatgtgt g 231

<210> 7401
<211> 288
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018c02b1

<400> 7401

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atcacttggg cgcgcgctcg caatggacag cagcagctgg atccatggat actacggccc 180

cagcagcggc gccggcggcg gtaacagcgg cttcatgtgc ggttacgccg acagctgcgt 240

cgttctcgaa gagctgcaca acaggaagga ggaagaggag cgcacgca 288

<210> 7402
<211> 286
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018c04b1

<400> 7402

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gcctcgcctc cacctgtatg ccgtcaacgc ccccatggcg tcaaccgcac cacggccgcc 120

ccgccgagcc gcgaccttga cactcctcct gcccttcctc ctcctttcct cctccccgtc 180

cctctccttc gccgcttcgc cgccgccgtc gagccccgtc ccgttccacg cgccgccgcg 240

gtgggtcgcg tgcgactccg acagcgcccc cccgtcgtcg caccac 286

<210> 7403
<211> 264
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018c06b1

<400> 7403

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tgaatggcta cgaccctgtt atcaaagctc tctctcgaga tctagatgtc cacctgaacc 180

acagggttac caaaatcatc cagcggtata ataaagtcat cgtatgcgtg gaagacggga 240

caagctttgt tgcagatgct gcta 264

<210> 7404
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018c07b1

<400> 7404

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gagcggcagc ccatcggcac ggcggcgcag gggtccgagg acaaggacta caaggagccc 180

ccgccggcgc cgctgttcga gcccggcgag ctcaagtcct ggtccttcta ccgcgccagc 240

atcggcgagt tcatggccac cttcctcttc ctctacgtca ccatcctcac cgtgatgggc 300

tacagcggcg ccacctccaa gtgcgccacc gtcggcatcc agggcatcgc ctggtccttc 360

ggcggcatga tct 373

<210> 7405
<211> 251
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018c08b1

<400> 7405

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tcgaggagga cttcaacacc cgcaccgggg agttccacga gcgcaaggag aacttcgtcg 120

tcagggccga tgactgagct tacacgtaac ggagcacact acgatgtgtg tatatgtatg 180

catgtcagca gtatatgtat gtgtgaatgt tgcgcacagt cgtatagcgt atgcaggcgt 240

gcgtgcttgg c 251

<210> 7406
<211> 299
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018c09b1

<400> 7406

agcaagagtg gttcgaatag gaacctggaa atcgagttcc aatggtggaa caaatgacag 60

catctacaga attaggcgcc cgtgtaagtt aaaatatata aagttaagag tggttttctt 120

gtttcacatc ctctgctaaa tgttaccctg tttgtgcatc agtgtaaata gccggcagag 180

aaagtcgttt tttggttgtt gttgttgtac tttcttctgt gagataaaaa cagatgagat 240

cagttgtttt ttgtactgat tgtaatggac cgaccgattc attatttttt cgacgggat 299

<210> 7407
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018c10b1

<400> 7407

tacgaaccaa ccggcgcgac cgaatcaaac cgcgcaaccg tgcgcgcgac tcctcgtggg 60

ggccgggcgg gcgcgatgcc cctggacggc ggcggcggcg gggcggcggt catgttcctg 120

gcgtacgcgg ccctggccgt ggcggcgctg cgggccgtgc tgtcctacaa gtcggtggcg 180

cacgcggtcc gccggctgtg gcggtgggcg gacgagtggg cgcaggccta ccagtactac 240

gaggtgccgc gcttcgtcgc tggcggcaac gacggggccg agaacccgct cttccgcaag 300

gcggcggcct acgtggcgtc gctgccgtcg ctcgaggacg cggacgccgc ctgcgtgctc 360

tcctccgcca gcaagagcaa cgacttctcg ctgcagctcg gcccgggcca caccgcgcac 420

gac 423

<210> 7408
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018c11b1

<400> 7408

ttccacgcgt ccgcccacgc gtccgcccac gcgtccggaa ctttccttat ggcaggaagc 60

cttccgatct gtggaggata tccatggctt gatgagcttg gttaagagaa ctccaaagcc 120

atctgtcctg gtcgtatatt atgccaagct gactgaaata ttctggatat ctgagagtca 180

cctgtatcat gcatatgcat ggctgaagct tttcaacttg cagaagagct acaacaagaa 240

tttaactcag aaggatctgc aattactagc atcttctgtt ttgcttgctg cactttctgt 300

tacaccatat gaccataaat atggtgcatc tcatcttgag cttgaaaatg aaaaggaccg 360

tagcttgcgt at 372

<210> 7409
<211> 196
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018c12b1

<400> 7409

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ttttttttt ttttttttt ttttcaggaa aaactccaag ggttttcata tgcatttatg 120

gggaactaaa tcactcaacc gaaaaatttt catgaccgaa aaacaaagga ggcagtggta 180

tatttgctcc ctggat 196

<210> 7410
<211> 243
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018d01b1

<400> 7410

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caaaccaacc accgcaaaca tccatcgcgt tcccggccac ttctacaacc tgctttgctt 180

ccgcggcgcg atcttgtttt agctcggcct ccatccccgc ttggctcctt gcgcaacagc 240

ttc 243

<210> 7411
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018d02b1

<400> 7411

ttccacgcgt tcgggtcgct cgcccaagcg caactcaatc acccgcttct cttcccccaa 60

attctcaaat cgcgagctcg gaacacttgc accctactcg gataggatcg gcgattcgcc 120

cccctagttc ctcgtcggga acttcagaga gcttcagtac aagatgcaaa ggggaagggg 180

cgggagaggt ggtctctttg gttttgggga ccctttcct gcttttggcg gctttgtacc 240

acctgggaac cttatgtcca gtttctttcg ggggtcaagt ccctttgatg atcccttctt 300

caccaatcct tctggttctt tgattggacc tagcctattt gagcaaagca tttttggttc 360

aagcatgttc gggccacaca cagctctaaa tggaggaggc ttccagcagc aaggtcctga 420

accaagcagg ccaaaag 437

<210> 7412
<211> 111
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018d03b1

<400> 7412

atttacgtcc tcagatctcg ctctcgcctg cttgcgcagc cgacggcgac agcagcatgt 60

aaatggcggc gagcaacctc gagggtgtgc tcctggggat gggcaacccc c 111

<210> 7413
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018d04b1

<400> 7413

tctcacgcgt ccgccagtat ttggggaacc agtagcatct caattatcaa gagcggcaag 60

agatgggatc tctccccgtc ccgagtgtgc aggccttggt ggctgccacc ggcggagacg 120

atgtgccgct gaggtatctc cggccagagg cggcagcaga agcggtcacc agcgacggcg 180

acggcgacgg cgaggcacag atccccatca tcgaccacca aaggctgctg ctggagctgg 240

accatggtgg cgaggagtct gcacgcctcc acagagcctg ccaagactgg ggcttcttcc 300

agttagttaa ccacagtgtc ccagacgatg tggtggagag catgaaggcc aacatccagc 360

aattcttcca gctacccgca gagacgaaga agcgattcgc 400

<210> 7414
<211> 210
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018d05b1

<400> 7414

tttgcctttc gaatgggccg accgccacgc cactgagaac cgcatgcgcc tccacgccct 60

acgggtgatc cgggagagga agatggacgg tgtggttgtg tttgcggatg acagcaacgt 120

gcatagcatg gagctgttcg atgaggtgca gaaggtccag tggatggccg cggtgtctgt 180

gggtattctt gcgcacaccg gaacagcaga 210

<210> 7415
<211> 421
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018d06b1

<400> 7415

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gagatccttc tggacggtga ccatggcatc gagagaactc ttgaggtggc agagaaggtg 180

tggtcagagg tgttcttcta cctggccgaa aacaatgttc tgtttgaggg catcctgctg 240

aaacccagca tggttacccc tggtgctgag cacaaggaga aggcttctcc agaagccatt 300

gcgaagaaca ccctcacaat gctgaggagg agagtaccga ccgcggtccc tggaatcatg 360

ttcctttccg gcggacagtc cgagctggag gcaaccatga acctgaacgc gatgaaccag 420

t 421

<210> 7416
<211> 313
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018d08b1

<400> 7416

gccggccagc catggcgccc aggacgtccg acaagacggc gacgccgccc gctgccgggg 60

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actaccgcgg cgtcaggaag cggccgtggg gccggtacgc ggcggagatc cgcgacccgg 180

ccaagaagag ccgggtgtgg ctcggcacgt acgacacggc cgaggaggcc gtccgcgcct 240

acgacgccgc cgcgcgcgag taccgcggca acaaggccaa gaccaacttc cccttcgcct 300

ccgcctccgc gcc 313

<210> 7417
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018d09b1

<400> 7417

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atagagagga catggttccc attgcctgga ggatgaagcg gcggcagctg gaagctcaac 180

aaggcgacgc cagttatgcc gcgcagcagt ccaaggtgta tccatctacc agcagttgtt 240

cccagcagca gtcgaaggtg tatccatctg ccagcagctg ttcccagcag cagttcgc 298

<210> 7418
<211> 430
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189018d10b1

<400> 7418

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aggcggaggg cctggtgcgg atcgcgctga agaagcgcgc catcgaccgg aacagccgcg 180

tcgccaagag cctctccgac cgcgaggagg tgcacctcct cggcggcgcc tccaacaccc 240

tcccctccga ggaggagggc gacatcgtgt ccctcaagaa ctacatgaac gcgcagtact 300

tcggggagaa tcggcgtcgg cacgccgccg cagaagttca ccgtcatctt cgacaccggc 360

agctccaacc tctgggtgcc ctccgccaag tgctacttct cgattgcgtg ctacctncac 420

gcacgctaca 430

<210> 7419
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018d11b1

<400> 7419

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gatctcgggc gttggttttc gaggtattgt ggagagctct tcaatttcat ccggctctgt 120

tcttctgagc aaagggtgag aagaatcttt cgccggattg tccccaaaga tgccaggaat 180

catagtggat ggagttgtca cagaggagat tcagcatgag gtgggttcct ctcaaaacaa 240

ggagaatttg acggccccaa ccatggcgcc aagcatgcag agtgaggcac ttgagatgca 300

cgttgagaat tctggtgccg gggagccctc gattgagcag ctctacaaca acgtgtgtga 360

gatggagagc tcaagtgagg gcggcggatc cccatcacgc gagagcttcg ggtcggatgg 420

ggaggaatca aggattgact ctgagcttcg ccaccttgtt gctggggaga tgga 474

<210> 7420
<211> 333
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018d12b1

<400> 7420

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gttcacaatg ctgctcttag tgcacagcct gcattggtgc agaatgaaca gaaactgctt 120

gagaagatca atattctgtg tctgatggag ataatcttca gccggccatc agaagataga 180

actatcccat taagtgttat tgccaagcag actaagcttt caaccagcaa agtggaatgt 240

cttcttatga agagcctctc ggttcatctc atagaaggaa tcatcgatga agttgacagc 300

acggttcatg tttcgtgggt ccagcctaga gta 333

<210> 7421
<211> 249
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018e01b1

<400> 7421

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ggagcccccc cggatgccct cagctgcgtc cgatcggcag caccgtctcc ggatcgaaga 120

agcctgcggc ggcgacggtt ccttcgtgca agtaccacct gtcggaggcg tctgtccagg 180

cggtcctaaa ccacaagagg gtgcctttcg tcattgggga ctacttcgac gacctgaccc 240

ccgaggagc 249

<210> 7422
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018e02b1

<400> 7422

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ttgagccagt cattacctta ctgaattcat ctccaccagc tgtgcaacaa ttggctgcgg 180

agctcctatc tcatcttctc ctggaagaac accttcagaa ggatacagta gcagagcaat 240

ccatccctgc cctcattcaa attctctcat caggtttgcc aaatttacag cagagagcta 300

taaaagctct cgctaatctt gcattagcct ggccaaatac aattgcaaag gagggtggtg 360

tgt 363

<210> 7423
<211> 368
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018e03b1

<400> 7423

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gcggcgccgg ccccctccac cctccaacat ctgaaggaga tcgccgcggt gatcgaggcg 180

gggtcgctct ccaaggaggt ccgccggatc tcccgcgccg tccgtctcac cgtcgccctg 240

cgccggcgcc tcgccgcccg agacgtctcg gccttcctcg ccttcgccct cccggccaac 300

agcgacgcat acgcccgcct cactcccctc ctccccaagg aagatgaagc tgagatggat 360

gttgatgc 368

<210> 7424
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018e04b1

<400> 7424

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cgcccctctc cccggccatc gtcttcatct tggacaaggt tgcgcctttc gtccccgcgc 180

ccaaggagga gcccaaggcc gagcc 205

<210> 7425
<211> 260
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018e05b1

<400> 7425

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cgccgtggag aaaggaggga tggcggcggc ggcgggcagg ggcgggggggc cgaggcgcac 180

gacgcgggtg ggcccctacg agctcggcaa gaccgtcggc gagggcagct tcgccaaggt 240

caagatcgcc aaggacaccc 260

<210> 7426
<211> 456
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018e06b1

<400> 7426

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gtttgcaagc tcaacccagt gacacaggat gaagatttat atacaatctt ctcgcgtttt 120

ggaagtgtga catcagctga aataattcgt gacttcaaga ctggggatag tttatgctat 180

gctttcattg aattcgagga aaaggaggca tgcgaacgtg catattttaa gatggataat 240

tgtctgattg atgatcggag gatccatgtt gattttagcc aaagtgtttc aaaattgtgg 300

ggtcagttca gacaaagtaa acgaaatgga aataaagatg gttgcttcaa gtgtggtgct 360

ccagatcaca tagcccgaga ttgtgaccag gatggtgagc agaaacctaa agccccaaat 420

tatgttctga aagatgataa cactcaacga ggcggg 456

<210> 7427
<211> 502
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189018e07b1

<400> 7427

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agaagaggaa gaagaagaag cagtgtggag cacgctgctg ctacctggtc atgctctcag 120

cagtgtgaat ctccagaagc atgcttgccg tgccttcttc cgggtgcacc ggaggctggc 180

atgtgagcag gggtgcttca gtgacgcaca agaaaaaagg caagtcttat cggcaaggga 240

aggctacgcc tttcttccag gtctccctct ctccatctaa atctgtgttt ggaggagggg 300

gctacggtta gttcacccac cggtttactg tgtccttgtg agttgtgatc attatcatgc 360

actcgtcagt tgcttgacat gtatggtgtc gttcttgaat tttcagctac atataatggt 420

cngttgtgtg agtgaatgga gttgtgttca tgtgtcggtc tgtgtgtcga ctgtcactgt 480

gagtcaatta gctaaaagaa gt 502

<210> 7428
<211> 496
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018e08b1

<400> 7428

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gccatccccg tgcgccagcg cgtcgccgtc tgcatctggc gcctcgccac cggtgaaccg 120

ctccgcctcg tctccaagcg cttcggcctc ggcatctcca catgccacaa gctcgtcctc 180

gaggtctgcg gtgccatcaa gtccgtcctc atgccgcgtt tcctccagtg gcccgacgag 240

gccgccgccg gcagattcaa ggagggcttc gagagatcct tcggtgttcc gggggtcatc 300

ggagccatgt acaccacgca catccctatc atcgcgccca agatctccgt cgccgcctac 360

ttcaaccgtc ggcacacgga gcgcaatcag aagacatcct actccatcac gctcaggggg 420

tggtcggccc tgaccgcgcc ttaccgacgt ctgcatcggc tggccgggct ccatgccgga 480

cgatcaggtg ctcgag 496

<210> 7429
<211> 491
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018e09b1

<400> 7429

tgtttccttg gacgcgtggg ctcgccgaga aatctcctcc gatcgaagcg aagccaaggc 60

tctctcgtcc tcctccccaa gatgcagatc ttcgtgaaga cccttaccgg caagaccatc 120

acccttgagg tcgagtcctc tgacaccatc gacaacgtca aggcaaagat ccaggacaag 180

gagggcatcc ccccggacca gcagcgtctc atctttgctg gcaagcagct cgaggatggc 240

cgcacccttg cggactacaa catccagaag gagtccaccc tccacctggt gctcaggctc 300

cgtggtggca tgcagatctt cgtcaagacc ctcacgggca agaccatcac actggaggtt 360

gagtcctcgg acaccatcga taacgtgaag gccaagatcc aggacaagga gggcatccct 420

ccggaccagc agcgcctgat ctttgctggc aagcagcttg aggatggccg taccctggct 480

gactacaaca t 491

<210> 7430
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018e10b1

<400> 7430

tccacgcgtc cgcccacgcg tccgcccacg cgttcggtcg gcgagcacgt cgacgtcaag 60

gtgaacggcg ccgtccacaa gggcatgccg cacaagttct accacggccg caccggccgc 120

gtctgcaacg tcaccaagcg cgccatcggc gtcgagatca acaagcaggt cggcaacagg 180

atcatcaaga agaggatcca tgtccgtgtg gagcacgtgc agccatccag gtgcaacgag 240

gagttcctcc agaggaaact caacaacgac aagctgaagg cggaggccaa ggcgcgcggc 300

gaggtcatca gcaccaagag gcagccagca gggcccaagc cggggttcat ggttgagggc 360

accaccatcg agacggt 377

<210> 7431
<211> 486
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018e11b1

<400> 7431

ctccctttcc tttccttccc ccctcgcttc gtttgtgcgt tgccttttc tttccgccgc 60

ggcaactgtg agccggcccg atcgagcgag ccgccccca cgcacctcaa gaaaccggca 120

taattccatc catccatccg ctgccgcgtc ctacgcggcc atttggggcg ctcgtggggt 180

gttcgtcaca tcaaccaggc caagatcaga tcggcggcga cgacggcgac catgttcagc 240

gggacgcagc agaagtgcaa ggtgtgcacc aagacggtgt accccatgga ccagctctcc 300

accgacggcg ccgtcttaca ccgcgcctgc ttcaagtgcc accactgcaa gtgcaccctc 360

tcctttagca gctactcctc gttcgaaggg gtgccctact gcaagcccca tttcgcgcag 420

ctgttcaagg agaccgggag ctacaacagg agcttccaat cacaatcacc cgcaaaatct 480

gcaacg 486

<210> 7432
<211> 268
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018e12b1

<400> 7432

cccacgcgtc cggcccctcg atgttcagag gcctcggagc gaatggagct tagtcgagtg 60

ggcaaagcca tacatacggg acttcaggat cgaggagatc gtggaccctg gcataaaggg 120

gcagtactgc tcggaggcca tgtggagggt gctggaggtg gccacggcgt gcaccgagtc 180

cttctcgacc ttccgcccga gcatggagga catcgcgcgg gagctggagg acgcgctcat 240

catcgagaac aacgcttccg agtacatg 268

<210> 7433
<211> 263
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f01b1

<400> 7433

ttccactcgt ccgaattgtg caacgaaaga gcacttgttc tgccgtggct gcatcgaaac 60

ctggctgaaa caaggacatc accagtgccc cttggatcga aaagaactca aagttgacga 120

tttggtgctg aacgaattcg ttcggcattc catctttgcg caacgcacca catgcacaca 180

cgttccgctc tgcgactggg ttggtgtcat tggaagactg gatgaacacc tcggctccac 240

atgtcccctg cagaaaattg tct 263

<210> 7434
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f02b1

<400> 7434

ttaatgatga caaacagtat gtgtgggagt ccaaagctga tggatcattc gctatttccg 60

aggatacatg gaatgaaccc ctgggccgtg gaactgagat caaactgcat ctccgcgatg 120

aggctaagga gtacttggaa gaaggcaagc tgaaggactt ggtgaagaag tactctgagt 180

tcatcaactt ccccatttac ttgtgggcaa ccaaggaggt cgatgttgaa gtgccagctg 240

atgaggaatc aagtgaagaa gaggaatcaa ccacagagac gacagaggaa gaagagacag 300

aagatgatga agagaagaag ccaaagacaa agactgtgaa ggagacgact actgaatggg 360

agcttctgaa tgat 374

<210> 7435
<211> 178
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f04b1

<400> 7435

tgggacggag aaggagcacg aaccctcagc cccatggcct ccatctcggt cccggaccct 60

gccccttccc caaccgagga tgcagagaac ataaggaaag cagtacatgg gtgggggacg 120

gacgagaacg cgctgatcga gatcctgggc caccggacgg cggcgcagcg cgcggaga 178

<210> 7436
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f05b1

<400> 7436

gcaacccgct cccgcgtcgg cgccgccgcc tccgcagcgc cttccccggc agaagcccca 60

gcgccccacc ctccatggcg aagaagagga agcgcagctc cgatgctccc gcgcccgcct 120

ccgtagagaa gcccgacgac tctgcgccgg agcggccgga gcgcaccctc ttgggcttca 180

aggaccagcc ggactccgcc gccgagcctg cttacaagga cgcggggccc tacttccgga 240

acagggaaaa ggtgctcatt acgtgctccc gccgcatcat ctacagggta ccggcacctg 300

atgcagaacg tggtgtcgct gctgccgcac gccaagaagg acagcaaggc cgagtccaag 360

cagagcatgt gcagcgcgct cacgagctgg tcgagctcag gagctgctcc agc 413

<210> 7437
<211> 204
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f06b1

<400> 7437

actcttgttt ataagtaagc ttgtccgttg tgcggagagg ggaggcggat aggtacatac 60

acatggaagg gttgcagaga tcgtcctcca ctttcagaag gtccggctcg tcgggcctgg 120

tgtgggacga gcggttcctg accgagggcg ccgaggcgaa ggccgtcggc tagggcggca 180

cggatgaagc ccagccggag atgc 204

<210> 7438
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f07b1

<400> 7438

tccacgcgtc cgcccacgcg tccggcttgt tattgatcgt gccatctcta ctgtgagtgt 60

gatcgagcta gtgatcaaac gcgagaagat ggcgttgcac tggagcagcg gcctcgcggt 120

cgccgtcgcg gcggcgctgg ccgtgtccgc gctcttcccg gcgggcgctg cgggtcaccc 180

gccgttccca ggcccgttgg tcccgcagtt ctacgagcac acgtgcccgc agatgcaggc 240

gttggtgggc gccatcgtgg ccaaggagca cgccaaggat ccccgcatgg tggcgtccct 300

gctccggctg cacttccacg actgcttcgt gcagggctgc gacgcgtcgg tgctgctcga 360

cgccga 366

<210> 7439
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f08b1

<400> 7439

tccacgcgtc cgaagataag ctatatacag agtggagagg tcacacacca gagctagata 60

cagagaagca acaccatgcg cgctccggcg agcctcctgc accgcgtcgc tctcgccaag 120

actggtccgg gcgagccatc gtcgtcgccg atgagtatga aggctcctga gaaccagcag 180

acggctcctg tgatggcagt gaactcagac atggtgctca tcctagcgtc gttgctatgt 240

gcgctcgtct gcgtccttgg cctcgcccta gtctcccggt gcacaggccg acgccgccgc 300

tcgccctcat tcttcgacca cgctcctcca gccccaaagg gcctcaagaa gaaggccata 360

cacgcgctcc aaccgtc 377

<210> 7440
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f09b1

<400> 7440

gacggaggct cgcaaggctg aaactgcagt ctcggcaagg ccgcctctct gtagctagcg 60

tagcagactt ctgttcagac tgttcttgcg tgcagtgcac ttcttggcta gctagctact 120

cggccatggc ggatcaccag aggcagagga tccacccggt ggacctggag gcgggccagc 180

cgaggccgtc ggcgccgctg gtgccgccgg gcagctcgtt ccggtccgac aagggcgacc 240

cggccgctgc cccgacagga ggccgccaca ccaccagccg ctgccgccgc cgccgcgccg 300

cgtggccgca cctgtgccgc tgccgccacc gaagcggcgc aggggctgct gctgccgct 359

<210> 7441
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f10b1

<400> 7441

tatggaatgt tttgccatgg ctagacgctg gttggataat gagcctctat gacctgccct 60

atttaattct atcattttgt tcatgataga atcatgaggg attttaatgt acaatacaag 120

atcagacctg caccaagtat taattaaatt atgtaaaaaa aaggaggatg gacctcggcc 180

tatacatctg gttgatgcat acagccagtt tattatgaag ccatcgctga gctggattcc 240

ctcggagaag atttctacaa ggacagcacc ctgataatgc aacttctccg tgacaatctc 300

accttgtgga 310

<210> 7442
<211> 200
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f11b1

<400> 7442

ttgcctagct agtgccaacc aagctacgca gctcaagctc gacccgatcg atggccggga 60

ggaagcaggc gacgatggcg agcgcggcgg ccgtggcgct gctgctggcc atggcggccg 120

tgtcgggcgc cggcgcggcg cccggcccgc tgatgatgtg caatgtggac gtgtaccgca 180

tgatcggcgc gtgcaggtcg 200

<210> 7443
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f12b1

<400> 7443

ttggacgcgt gggttggata gtgaatgaaa tgaagaaatc aggtctacga gggcgtggag 60

gtgcaggttt tccgtctggc ctcaaatggt ctttcatgcc caaagtgtct gatggacgtc 120

cttcttatct tgttgttaat gctgatgaga gtgaaccagg aacttgtaaa gacagggaaa 180

tcatgcgcca tgacccccac aagcttctgg aaggttgcct gattgctgga gttggaatga 240

gggcatcagc tgcttacatc ta 262

<210> 7444
<211> 95
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018g01b1

<400> 7444

gtaagttaat aagagaacct acaggattgt atgctgtatg cactattgtt ctgtgtccac 60

gtgtactgtt ttattcatgg acggtcggtt gatcc 95

<210> 7445
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018g02b1

<400> 7445

tcacgcgtcc gtcctcctaa accactctcc ctatccccgt gtccagaagc tacccccggg 60

ctccaatggc ggcgaaggaa ccgatgcgcg tgctcgtcac cggcgccgca ggacaaatcg 120

gatatgctct tgttcccatg attgccaggg gagttatgct tggtgcagac cagcctgtta 180

ttctgcatat gctggatatt gaatttgctg ctgaagctct taaaggtgtc aagatggagt 240

tgattgatgc cgcatttcca cttctcaagg gagttgttgc aacaactgat gttgttgagg 300

cctgcactgg tgtgaatgtt gcggttatgg ttggtggatt ccccaggaag gaaggaatgg 360

aaaggaagga tgttatgacg aaaaatgttt caatctacaa agctca 406

<210> 7446
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018g03b1

<400> 7446

gattttgcca gggaccacgc tatctggatt ggccaagctt aagacagttt ttaagaagga 60

tgggactaca actgcaggta attctagcca agtgagtgat ggcgctggag ctgttcttct 120

catgaagaga tctgtagcgg tgagcaaggg gctccctata cttggcgttt tcaggagttt 180

cgctgctgtt ggagtggatc cagctgttat gggcgtcggt cctgcggtcg ccatacctgc 240

tgcagtcaag tctgctggcc ttgacattga cgacattgat ctctttgaa 289

<210> 7447
<211> 261
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018g04b1

<400> 7447

ttgtacgtgg acgaggcgct cctcgccgcc gccgcctaca tgcagatccc cacgggcttg 60

ccgaggctgc aagtggggcc cgagggcaat aaacaaattg ttcgttcggg ttcaagcaga 120

cgggttggat taatcagacc aaattcaccc aagtcccctt ttgctagtgc aagtacttta 180

gagagtgtag aggggtctga tgaggatgcc gcgatgaaag tcaacggcaa actagataat 240

ggccatgcga gcacaaacag a 261

<210> 7448
<211> 208
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018g05b1

<400> 7448

ggactttgat aacaggatgg tcaaccactt tgtccaggaa ttcaagagga agaacaagaa 60

ggacatcagc ggcaacccca gggctctccg taggctgagg acagcttgtg agcgggcgaa 120

gaggaccctc tcctccactg cacaaaccac cattgagatt gactcgctgt atgagggcat 180

cgacttctac acgaccatca cccgtgcc 208

<210> 7449
<211> 276
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018g06b1

<400> 7449

ttcacgcgtc cggatgaaga tagcggaatc gagatagggc gtacagttaa gaagttccct 60

cttttaacac caagagagta catattggca tggcgagttt gggcatcaga tgagaactct 120

ttctattgct tggtcaagga atgtgaacac tctcttgcgc caatacaaag aaaatttgtt 180

cgagtacgac ttctgagatc ggggtggtgt attaggaaag tccctggaag agacgcatgt 240

gaaatcacag tgctgcacca tgaagacaat ggcatg 276

<210> 7450

<211> 192
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018g07b1

<400> 7450

tccacgcgtc cgggccaccc gccagcggtc ggctagggat tggtcggctc cttcctcctc 60

cgctcagatt catccacttc tgcctcagct gcggctgtcc gctacaacat caggctccgt 120

cgacgccgcg cagtgcctcg gtgagccgtg tgagcagact gccccctctg tatctctccc 180

aatctctccc ct 192

<210> 7451
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018g10b1

<400> 7451

tcacgcgtcc gggtgaattc actgattctc agattgttgt gatgcttggt gagaacggca 60

cagggaaaac tacattcatc agaatgctgg ccgggttgtt gaagccagat accatggaag 120

gaagtgaggt tgaaattcct gaattcaatg tgtcctacaa gcctcaaaag atcagcccaa 180

aattccagca tccagtgagg cacttgctgc attcgaaaat acgcgattca tatactcatc 240

ctcagtttgt atctgatgtt atgaaaccac tacaaattga gcaactcatg gaccaggaag 300

tcattaatt 309

<210> 7452
<211> 304
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189018g11b1

<400> 7452

gcggcgcaag ccatggccac ggtggagcag cagcagcaga tcgagcacag ccacctcgcc 60

atcagaggcc tcagcctcca cgtagcgcaa gcaggcacag gcgagctcgg gacggtgctg 120

ttcctgcacg gcttcccgga gatatggtac tcgtggcgcc accagatgct ggccgtggcc 180

gccgccgggt accgcgccat cgcgccggac tggcgggggt atggcctctc cgaccagcca 240

ccggagccgg aggctggggc ctacagcgac ctgacagagg atctnctcgc cgtcctggat 300

gcgc 304

<210> 7453
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018g12b1

<400> 7453

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ttccccggcc cggcttgccc cgcgacagca gagcacggac ccagcgctgc ggcgtcagcg 120

aggatgagga tcgtccacca gcacggccca tgctctcctc tggccgatgc gcacggcaag 180

cggccggccc acgacgagat cctcgccgcc gaccagaacc gcgtcgtcgt cggggacggg 240

gtacctggac ttcggcccgg ggtcggcggg caacaacgcg aggctgacgc cgatgctggc 300

cgacaagggg ccgacgttct actacgtggg catgaccggc atccgcgtgg gcgggcagca 360

ggtgcccatc gcggagtcgg tgttctccac ggacgggacg ctggtggac 409

<210> 7454
<211> 102
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018h01b1

<400> 7454

ttgaagaacc cgctggacgc catgggcgcc ttcttctcgg cgcaggtgaa ccgccgcaag 60

ctggtctcca cgcagaagct ggccatgtcc gagcgctgca cc 102

<210> 7455
<211> 177
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018h02b1

<400> 7455

tgtgcttagg gtgaagcaga ggccaagtac ctgtctggcc tcggtatcgc ccgccagcgc 60

caggccattg tggatggcct gagggacagc gtcctgggct tctcagtcaa tgtgcctggc 120

actcactgca aaggacgtga tggacatggt gctgatcacc cagtactttg ataccta 177

<210> 7456
<211> 225
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018h03b1

<400> 7456

acctgtttgg tggcgatgtg ctgcgccgag cacgacgcgc acgccggcga gacgcagtgc 60

ctcacccaca ccgtcggacg gatgctcgcc acgctcgagc tcaggtccac cccaatcaac 120

accaagggct acgagacgct gctccggctc gtcgacaaca cctgcagcga cagcttcgac 180

ctctacaacg gcctcttcat gtacaacaag aactccaccg acctg 225

<210> 7457
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018h04b1

<400> 7457

tttcggtgtc catccaagga cagctttcta tcaggcattt ctcaagttgg cgaagtccat 60

atggttattg cacaggctgg cgtactcttt cgatccaaag gtcagggtct tccaagtgaa 120

aaagggaagc gagttctcgg agattcacat ggaaagcgta gtcaagaaca tggtcttgga 180

tgaaagtgcc gagaggccta aagtaggttt aatggtgatg cctggtttct tgattgggac 240

tagcgtcata caggcccgag tgtacctatc agatgtcaaa tatgctgact gaaaatgctg 300

cagctgcttg ggaagattca gggcgtatta gttcctgcgg gctcatttag ttgcatctga 360

aatggcgggg gac 373

<210> 7458
<211> 275
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018h05b1

<400> 7458

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ccacgtacgt agcgacgacc ttccgctcgc ttttcttccg cctagtctgc ccgccagatc 120

tgcatccgcg gatatgaaga tcacggtgcg gggatcgacg gtcgtggtgc cggcggagga 180

gacgccgcgg ctccggctgt ggaacgccaa cccggacctg gtcgtgccgc ggttccacac 240

gccgagcgtc tacttcttcc ggcgcggcgc ggggg 275

<210> 7459
<211> 256
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018h08b1

<400> 7459

tccacgcgtc cgcgcctacc ttggcaagga taccagggag acaacaaagg ttttcttgtc 60

agcaagaaaa agatggcgac ctctcctgaa tctctgtgtg gcatttgtcc acagtctttt 120

cgacactttg ttgagtatgt tgtgaacttg aagtttgacg aagaacctaa ttacgccaag 180

tgcatctctc tttttgacgg cattgttggt ccacatccag acaccagacc aataaacaca 240

gatggtgctc agaagc 256

<210> 7460
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018h10b1

<400> 7460

tggaagcctg gatgattggc tccataacag ggatgatggt gctatctcat tgcttgactg 60

gcctactcgg ctcaagatcg cacaaggagc aagcctgggc ctttcttata tccatgatgc 120

ctgcaaccct caaattgtcc atcgtgacat caaatctggt aatatcctac tggacaaaga 180

atttaaagct tatgttgcag actttgggct agccagattg atccttccca acaacactca 240

tgtcacaacg gagctggtag gtacgatggg ttacatccca cccgagtatg ggcaatcatg 300

ggttgctacg ctgagaggtg atatatacag tttcggagta gtcctgcttg agctgctcac 360

aggaaggcga cctgtttcag tgttttgtac accaaaagaa cttgtcccat gggttttaca 420

gatgaggtct gagggaaagc 440

<210> 7461
<211> 299
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018h11b1

<400> 7461

tttgtgtttt tgaaacccaa tgcccatgat agtggaaaat catccgcaga taatataagc 60

gacctgcaag ctgttttgca tagccttcct caagccgagc ttcggttgct atgttcattg 120

cttgcgcatg atgggttatc agacaatgca tatctccttg taccagaagt tctgaaaaag 180

attgtagctt cggtcctttc atgtgaagcc atttataaat gagctttcac gttcgatgca 240

caattcgact gtttgcgcca tgaacgagct tcacttgtat gaagattctg aaaaggcaa 299

<210> 7462
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018h12b1

<400> 7462

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cgccgttcca caggagcatg gaggcggacg acggcggcgg tggcggcggc ggcaggggga 180

ggaggtccat cgaggttgac ttcttctccg acgagaagaa gaacatgaag aagagccgcg 240

catcggccgg tgctgacgcg gaggaccaca aggatcaggc ctacgacgcc ggactcgcca 300

tcaagaagga ggacctcacc attaacctcc ttaccgggaa caacacgagg agcgaccggt 360

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ccg 423

<210> 7463
<211> 434
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 7463

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ttctccaagg aatcttgccc ttccgtgaag aacattttgc tactggattc tgaggggaag 180

cgtgttgctg tgaagtactt ctccgatgat tggccgaata acgcatctag gttgaccttt 240

gaaaagtcca tttttactaa aactctgaag acaaatgcac gctccgaagc tgagataaca 300

ttgcttgatg gttatattgt tgtttacaan gtttgtacaa gacctacact ttttcgtcac 360

tgccggagat gatgagaatg agctcatcat acaaatgtgc acagggtttt gctgattcgg 420

ttggtcttct acta 434

<210> 7464
<211> 431
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020a02b1

<400> 7464

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aaaacatgga agttcctatc ctgaaaggta gtgcaaggat atcttcacgt cttaattttg 180

tatgccctca gctcttccca tcctctgggt tttggcctgt ggaacctgca aatggtattg 240

atttggagaa gaataagagt acttcattcc aagcctgtga aagtgtgaca gcagcaaact 300

tgctgaagtt tcgtctgcgt ccatatgctc aactggggtt ggatagagct tctattccaa 360

gcttgtttag ttatgaagaa attgtagatg aacttatttc tgagattcct gagattaaag 420

aagttcctga g 431

<210> 7465

<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020a03b1

<400> 7465

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ctgcgatcgg atttgagggc tacgagaagc gccttgatat caccttctct gaggcatcaa 120

tctttgctga ccctcatggt cgtggcctgc gcgccctctc cagggcccag attgactctg 180

ttcttgatct tgcacggtgc accattgtgt ccgagctctc caacaaggac tttgactcgt 240

acgtgctatc cgagtcgagc ttgtttatct actctcagaa gattgtgatc aagacctgtg 300

ggactaccat gctcctgctc accattccaa ggattctcga gctggctgaa gagctgtgca 360

tgtcgcttgc tgctgtgaag tactcccgtg ggatgttcat cttccccggt gcacagcctg 420

ctccccacag gagc 434

<210> 7466
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020a04b1

<400> 7466

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ttccttagcg acgaggccac ccagagctcc acaggaaaga agcgcgaccg gagaaagaag 120

gagagcaaga tgtcgtcggt gttcagcggc gatgagacgg cgcccttctt cggcttcctc 180

ggcgccgccg ccgccctcgt cttctcatgc atgggggcgg cctacgggac ggccaagagc 240

ggcgtcgggg tggcgtccat gggagtcatg cggccggagc ttgtcatgaa gtccatcgtg 300

cccgtcgtca tggcgggagt gctcggaatc tacggcctca tcatcgccgt catcatcagc 360

accgggatca accccaaggc caagccctа 389

<210> 7467
<211> 444
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020a05b1

<400> 7467

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cgagatgagc cgcggatcgg gcgcgggcta cgaccgccac atcaccatgt tctcccccga 180

gggccgcctc taccaagtcg agtacgcgtt caaggcggtc aagtcggcgg gggtcacctc 240

gatcggcgtc cgcggcaagg actccgtctg cgtcgtcacc cagaagaaag tcccggacaa 300

gttgctggat gacaccagca tcacgcacct cttgtcgatt accaagtaca ccggcttgct 360

tgccaccggc ctcacagctg atgcgaggtc cttggtctcc caagcaagaa atgaagcagc 420

tgagttccgt aaaaaatggg gata 444

<210> 7468
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020a06b1

<400> 7468

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ctacggagcc ccaccgccct ccggccagaa gccccccaaa gaaggcaaga cctcttcctc 180

ctccggcccc gacccctacc acggcgctcc gcccccgcag cagccttacg gcggcggcgg 240

cggctacgga gccccaccgt cctacggcca gaagcctccc aaggaaggca agacctccta 300

ctcctccggc tccgacccct accacggcgc tccgcccccg cagcagcctt 350

<210> 7469
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020a07b1

<400> 7469

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caattagggc attcaaatcc cttacattcc taatcattga caattgtgag aacctggcaa 120

cccttgatgg tcttctaaca gaactatgtt tgcctgccat tcgaaagatt gatgttagga 180

attgtggcaa gttacagttc ctttttggtg aaaggcctgg gagttttcct tcccttgaag 240

atctgttgct tcatgattgc cctagcctca aatggccaag ggaattagtg ttaccatcat 300

ccctaaaaaa gctccactta gttcgatgtg gggatatttc ctcctggttt tcaagctgtc 360

tacagaacct caaatctttg gctgaactgg ctt 393

<210> 7470
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020a09b1

<400> 7470

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atggtggcca ccgcctgggc tccgcaaagg gctatcctgg ggcaccgggc ggtgggggcc 180

ttcgtgacgc actgcggatg gaactccgtc ctggagacgg tggcggcggg cgtgccggtg 240

ctcacatggc ccatagtgtt cgagcagttc atcaccgaga ggctgctcac gcaggtccta 300

gggatcgggg agcggctgtg gccggacggc gccggcgttc ggagcacgag gtatgaagaa 360

aacgaggtaa tccccgccca agatgtggca cgggcattga cgaccttcat gc 412

<210> 7471
<211> 425
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020a10b1

<400> 7471

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cctgttggta gggcgactct tgggcgtatt atcaatgtta ttggtgagcc aattgatcac 120

aagggagata taaaaacaaa cagttacctg cctatccatc gtgaagcccc tgctttcgtt 180

gagcaagcta ccgagcaaca aatccttgtt actggaatta aggttgtgga tctacttgca 240

ccctatcaaa gaggtggtaa aattggtctc ttcggtggtg caggggtggg caaagacaga 300

gaaaccacca tgggccttgg caacgttgtt ggagaacgta cgcgtgaggg taatgacttg 360

tacagggaaa tgattgagag tggtgtcatt aagcttgacg acaagcagag tgagagcaag 420

tgtgc 425

<210> 7472
<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b01b1

<400> 7472

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cgcatgtcga gggcgcggtg gttcatcttc ctgaggcggg tataccagta ccagaacggc 120

ccgaggtctg acctgggctc caacccttтc aactcatccg gctggctcgc tcttgagctc 180

ggcgtgatcg tcgcgcagat ggtcatcacc accaccgttg tggccacctc cccaaaggaa 240

cgccccgcgt ggccgcttcg gctctgggtc tgcgcgtaca acgtcggcaa cgtgctcagc 300

ctcccactcc tctactggcg ccaccgacat tcatcggccg ccggacgagg cgacgacccc 360

gagatgcacg gtgccggtga cgct 384

<210> 7473
<211> 439
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b02b1

<400> 7473

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gagacgcagc agagctggct gctcggcccg ccggaggcca agaagaagga ccgctacgtc 180

gacctcggct gcgtcgtcgt caagcgcaag ctcctctggt ggatgctctg ggtcgtgctc 240

ggcgccttcg tcctcatcgg cctccccatc atcatcgcca agaacatccc caagaagaag 300

ccccacgccc cgccgtccga caagtacacc gacgccctcc acaaggcgct cctcttcttc 360

aacgcccaga aatccggcaa gcttcctaag aacaacggca tcccgtggcg cgggaactcg 420

ggcatgaagg acggcgcgg 439

<210> 7474
<211> 379
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b03b1

<400> 7474

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gttctccgaa cggttatacg ccctttggga atatcaaaaa gatcaatggt gattcaagct 180

cagccttccc tgcccccaga ggccctccac ccagttcaat gccgaccttc gaaactattc 240

cgagacttcc cccttactgt tcacttccaa cccatggttt gcagaaggca ttccctcctc 300

cacctgccta tgactacaat cagtttagct tcagtaggcc ttccgcagtt aatccatatg 360

gaatttatca agatcccta 379

<210> 7475
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b04b1

<400> 7475

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catgtcgctg attccccgcg gcaacgcctt cgacccccttc tccctcgacc tctgggaccc 180

cttcgacggc ttcccccttcg gctccggcgg cagcagcagc ggtggcagcc tcttcccctc 240

gttcccgcgc atcagctccg agaccgcggc cttcgccggc gcgcggatcg actggaagga 300

gacgcccgag gcgcacgtgt t 321

<210> 7476
<211> 433
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b05b1

<400> 7476

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tgcctcttca aattctttcc acttgttgcc cactgacgaa gttgtaccga gcagaggaaa 120

agctgacctg gacgattcta gcttgaacat ggataatgag gtttgcttca caattttgca 180

aacattgatt cttttactaa gtttatcaac aagtcgatat agaatcagta actgcagttc 240

tggaactatt tacaggaatg tgcggctgct tttgtatttt tcaaaactcg gtatggagca 300

cttgttgcgt cagacgttct tcagacatcg aaccctacca agtgggttac tgatccagct 360

ccagaaccaa atgatgtgta ttggtcaaac atttggcttc cctacaagca gctttggatt 420

cgaaggatag cga 433

<210> 7477
<211> 337
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b06b1

<400> 7477

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aaggagcacg gcagcaacat gtaaaagcct ttcgaagttg tgaatgagag aagagcaagc 120

acctatgtcg gcgaggagat cctcgtcgcg gccgtggcag ggcgtctgtg cagctgcacc 180

tgtcttggga acagcacgtc gtcgtggccg tcgtcgagtg actcggcgac ctcgtcgtcg 240

cggccgtagt cggatgcctc ggcggctgcg cagggcggcg acgtcgcggc cgtcgtcggt 300

gcggccgtcg tcagatgcct cggcggctgc gcatggc 337

<210> 7478
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b07b1

<400> 7478

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aggcgcagcc gacacgcccc tttcctgacc cctatcccgc ctagcccgtg ttcctctccg 120

tgcccggctg cacccctatg ttcttccgcg atcgaggccc gtaggcaccc ctctgtccgc 180

cgcatctcag gcgacgtcag cgacgaccaa ggacagcagg agcgccacaa gaacacttca 240

tcagcaatac attgatcagt agttcctgag gtgcaccatg gaaattatca tcctcatctc 300

acttgttgtg cttcttgtac tgggagcact ctttgctatc ccggatccaa aacaaaggtg 360

aaggaaagga tgcacgtgca gcctgaaatg gaacgacatc tacgag 406

<210> 7479
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b08b1

<400> 7479

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ctacaaaaga ttgtggagac ggtgaaacaa gcatgccatg ctatgtgctc gtgtgatgaa 120

tggtgccccc tgtatcttca tcttgtgaat tgtcccgtga ataagaacat gtgcactgtc 180

tccacctgcc gtgtaaattt atgtgtgcct gtataacaga agactgagac tgtgctagct 240

atgtttgtgg ctctctagtc ttaccggctt tccgtgacag caattacact gttggaaaat 300

gtatctgctc aaagagatat tcagaagcat atcaagacgt ttgaaaaaaa aaacccacgc 360

gtccagggac gcgtgg 376

<210> 7480
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b09b1

<400> 7480

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aggttcgaca accaggagaa ggtccgcgtc gacgaggccg aggccgcccg ccaggaccag 180

ctccagcgcg aggccacccg ccgccgagag tcgcacgccc gcctcgtcgc gctccgccgc 240

aaccggggcc 250

<210> 7481
<211> 107
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b10b1

<400> 7481

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gggccctcct taaaaattcg gaggagctcg ccgaccggcg gatcggc 107

<210> 7482
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b11b1

<400> 7482

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gtggttttcc ttggcctgcc cttcttggcg cattgtttcg tccgtctcga tagtcgacag 180

tctgaagctc tcttgggact gacttgggag gtgaggtgag acggcgcggc agcaatggct 240

caccggctgc tgcacggcac cctccacgcc accatcctgg aggccgacaa cctcaccaac 300

cccgaccgcg ccaccggcgg cgcccccccag atcttccgca ggttcgtgga ggggttcgag 360

gagacgatcg ggcgcggaag gggtcgacgc agctgtacgc gaccgtcgac c 411

<210> 7483
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b12b1

<400> 7483

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cccggatctc gtctctgccc agagatcgaa ggaccttctc tgttgtctga aatttgtacc 240

caagtgagca gctgtactga agaacatcga acgttttgca gtgcatctaa ctaacctgac 300

ctcacaagtg ctgatttgta ggtctgctct gaaattagaa gttggcttta tctgaagacc 360

ttgtgtaaaa ttgcttggtg cctttcgaaa gatttcactc agag 404

<210> 7484
<211> 307
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020c01b1

<400> 7484

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aggttgccgc tccggttgcg gcccctaccc cagttcttgg agagcccatg gacttgatga 180

ctgctctgca gcttgtgatg aagaagtcaa gcgctcatga tggccttgtc aagggactcc 240

gtgaagctgc gaaagcgatt gagaagcatg ctgctcagat ctgtgtgctt gctgaggact 300

gcgacca 307

<210> 7485
<211> 443
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020c02b1

<400> 7485

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cgcgcagcag aaccgtatca ttgaatgccg gtcatacccg ctctacaggt tcgtgcgcaa 180

ggagcttggg actgagtact tgactgggga gaagacacgg tctcccgggg aagaggtcga 240

caaggtgttt gtcgccatga accagggcaa gcacatcgac gcgctgctgg agtgcctaaa 300

agagtggaat ggtgagccct tgcctatctg ctgaacagag gatcaagaaa ctgaagagaa 360

gacagtgtgc agaaggctct gtatcttctt agctgataag tgataatagt ttttcaattg 420

tattttctta agatcgatgt ttt 443

<210> 7486
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020c03b1

<400> 7486

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tcctcctcct ccaatctcca gcaacgaatg aaggagaagc tggcaaccat attcatatcc 180

ataatccata tctatatgcg agctattgct tgctagaaag cttcttgctc gcatactcgg 240

aaatgggcgg atacgagttc cagagggcgg agctagatgc actggaaggg cgtcgtacgc 300

gatccaactg cggagccaat gagtctgacg ttgccgcttc tcaggcacat aacaaatgat 360

ttctcccctg aatttgaaat tagtaaagat gat 393

<210> 7487
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020c04b1

<400> 7487

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ggaaaatgtc taccgctgag gcaacccgtg aggagaatgt gtacatggcc aagcttgccg 180

agcaggctga gcgttacgaa gaaatggttg agttcatgga gaaggtggca aagaccgctg 240

atgttggtga gctcactgtt gaggagcgca acctgctctc tgttgcttac aagaatgtga 300

ttggtgcccg gagggcttcc tggaggatca tctcctccat tgagcagaag gaggagagcc 360

gtgggaacga ggcctatgtt gcttcaataa agagtaccgt accaggattg aaactgagct 420

cagcaagatc tgtgatggca 440

<210> 7488
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020c05b1

<400> 7488

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acggccatgc agacggacca ggcggggact aagagcgggt ccaccctgcc ggcgcactgc 180

tgcaaacagg aggagaaagc ggtggccaag cctcagcttg ttgttggcga tctagtggac 240

ttggcatcag cggaggagca aggccagaag cctagccctc accggagtaa caaaaagaag 300

atccaccacc accaccatga cgacgacgac gacgatgatg atggtg 346

<210> 7489
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020c06b1

<400> 7489

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ttccactaca gcggccacgg cacgcggctg ccggccgaga ccgggcagga cgacgacacc 180

gggtacgacg agtgcatcgt gcccagcgac atgaatctca taacagatca agatttcaga 240

gatctggtgc agaaggtccc ggatggttgc atatttacca tcgtctccga ctcatgccac 300

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acccagtctc gtgaacccga agaagagcga tctcattct 399

<210> 7490
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020c08b1

<400> 7490

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tggtgcagga atgaggatga taacaagaca gatcggacct ggcatgatcc aacagatgaa 180

tactgtttgc cctgaatgca gaggatcagg cgagatgata aatgacaagg atagatgccc 240

aagctgcaga gggaacaaag tatcccagga gaagaaggtc tcggaggttc atgtggagaa 300

gggaatgcaa catggccaaa agattgtatt ccagggtgaa gctgatgaag ctcctgatac 360

agtgacagga gacattgttt ttgtcttgca acttaaagag cacccaaaat tc 412

<210> 7491
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<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020c11b1

<400> 7491

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cactgagttt gatgagaatg aaaatgggcg tgccaaggcc aaggccccaa caaataacgt 180

agatggaatg aaaaagggtt tgaaagattc tgctactgtg aaagccgagc cacaagattc 240

agctccctct atcaatattc ctgttctatc tttggatgaa ttaatagaaa agactgatga 300

ttttggggca aaggctttaa taggcgaagg gtcttatggg agagtgtact atgctgtcct 360

tgatgatggg acaaaaatgg cagtgaagaa actcgatgct actgaaaatg ag 412

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<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020c12b1

<400> 7492

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tggcgctggc gttccggtcg tcggagcagc agggcgagat cgacgagctg gaggcccgca 180

agtcctccct ccgcgccgcc aactccgcca tgtcctccac catgtgggcc tggagggagg 240

agctcgtcaa gctcgccgcc atgccctccc cgcccatcac cgccgcccgc ctccgccaca 300

tctacggcga ggaggacctc gccgtcccgg cgcccaagcc gtcaggcccg gatgccgagg 360

aggaacatgt tcccctaaaa atatcatgaa ctcttccccg atgcttg 407

<210> 7493
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020d01b1

<400> 7493

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atcttcttcc tccccgcaac tcgctgctcc tcccagaacc gaagctcagt cccgtggcca 120

cgcagaacaa aatgcagcga gcaattcaag ctatcggatc acatggcagt gtgctcaaat 180

ctgctgtcct gcaacacatc agtgttgtga agcctgctat gctgcctgct gtgttcccgc 240

gcttcatgtc agtatcacct gctcaaatag aggagagtgg atttgagagc agcactgttg 300

cggacatttt gaagtccaaa gggaagagtg ctgatggatc atggctctgg tgcaccactg 360

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ttgttaaacc cggggaagat 440

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<211> 102
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020d02b1

<400> 7494

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acctgagctc ccccgtgctc gtcagcgcaa ggtgggtgga gc 102

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<211> 393
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<223> Clone ID: uC-tsrow189020d03b1

<400> 7495

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tctcgtcttc gctctcctgg cgccccgtgg cgaccgtcgg agccaggggc ccgctcgctg 180

gcgccggcgg ccctgggaga gacgacgacg acggttcggc ctaccagcgg cggttcgcca 240

tcgagtcccc cttcttcacc gccgcgagag ggcttttctt cagctgaaac acttgttcca 300

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caactcaaaa atctttatga ccagtacacc atg 393

<210> 7496
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020d04b1

<400> 7496

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caccgggttc gccagcatct acggccaccg cgtaggcatc atcgccaacg acggcatcct 180

cttcgggacc tcgtcccaga agggcgccca cttcatcgag ctctgctcgc agcgcggcat 240

ccccctcgtc ttcctgcaga acatcagcgg attcatggtg ggcaaggact ctgagcgcga 300

cggcatcgcc aagcacggcg ccaagctcgt cacggcgttc gcgtgcgccg acgtgcccaa 360

gttcaccgtc gtcgtcggcg gcagctacgg cgccggcaac tacggcatgt gc 412

<210> 7497
<211> 337
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020d05b1

<400> 7497

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tgcttgctcc gcccccagcg cgggtggact gctgcgccca tgtgcagagg ccggctgttc 240

cgcgcctgtg tcccgcgcgt cgggcctaat cccacgccgt ctccgctccc ggccggttcc 300

acgcctccca ggcgctggct gccggctcca cgcacca 337

<210> 7498
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020d06b1

<400> 7498

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gccgcccggt gatgtcggac gaaggggagg acgcgcccgt ggcggcggtg gcggcgggct 180

tcgggctgcc ggaggagctg gcggccgtgc tgccggcgga cccattcgag cagctggacg 240

tggcgcgcaa gatcacctcc atcgcgctcg cgtcccgcgt cggccgcctc gaggcggagg 300

ccgcggggct tcgcgcgcag cttgcccagc gcgacgacgc cgccgaggac ctccgcgagc 360

gcgtcgagca gctcgagt 378

<210> 7499
<211> 451
<212> DNA
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<223> Clone ID: uC-tsrow189020d10b1

<400> 7499

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gcaagtcttg gttgatagtt tctgccagaa gcttgtagaa gaatttaatc gttctccagc 180

tcgagtcgga agcagagctc tacaggctac acaggttcga ggatggttcc ttgataagct 240

ccctgcatca actcctaaac ctgcttcctt gcctactact tctgaagaaa agcctttagc 300

ctcagaacca gatgcgttag tttctgagat aaagacttca gcttctgaag aaaaagcttt 360

agctcttgat acaagtattt caaacaatga ggatgcactt tctccagatt tacccaaaga 420

gactacagat aaggttcctg aatttgaaga c 451

<210> 7500
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020d11b1

<400> 7500

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cgcaatacta tcagctgatc cgcctcggct tcgaggggta caagcacatc atggagaact 180

gcaagctgaa cgcggcggtg ctgaaggagg gcatcgacgc gacggggcgg ttcgacgtgc 240

tgtccaaggc ggacggcgtg ccgctggtgg ccatcaggct caaggacagc accaacttca 300

gcgtgtttga catctcggag aacctgaggc ggttcgggtg gatcgtgccg gcctacacga 360

tgccggcgga cgctgagcac gt 382

<210> 7501
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020d12b1

<400> 7501

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gctctcccgg tgaacaagga caggttcata agcaagatgt tcctccgtgg ggattcggtc 180

atcatcgtcc tcaggaaccc gaaatgagtt tgacgactcg gcgtaaacca gaagagtctg 240

ttttcgctat gctgctgtta gtttgtatgc cgaatgctct ggatcaggga gtgtgtaaga 300

gacagttatc aagcaagcat tgcctgtact gattaatggt ttggtgctgt agtctggatg 360

ttatgaattc acgtctttgt agtatctaat ctaacaacgt gcactggtag cctctgtttg 420

gatcatc 427

<210> 7502
<211> 443
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020e01b1

<400> 7502

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catcatcggc gacacaggcg tgggcaagtc atgcctgctg ctgcagttca ccgacaagag 180

gtttcagccc gtgcacgacc tcaccatcgg cgtcgagttc ggcgcccgca tgatcaccat 240

cgacaacaag cccatcaagc tccagatttg ggacacggct ggccaagaat cattcagatc 300

tataacaaga tcatactaca gaggtgctgc tggtgctctt ttggtttatg atatcaccag 360

gagggaaact tttaaccatc ttgcgagctg gctagaagat gcaagacagc atgcaaatgc 420

caatatgaca gtgatgttaa tcg 443

<210> 7503
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020e02b1

<400> 7503

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atggacaggt tataacaatt gaaaaagagc gctatatagt tggcgaagct ttgtttcaac 180

caagcatctt gggcttagaa gattatggca ttgtccacca gctaattact agtgtttcaa 240

acgtcgcatc agagtaccaa aagcaactgc tggagaacac tatgttatgt ggtggcactg 300

tatctatgac tggtttcgag gacaggtttc agagagaagc gaatctgtct gcctccgcga 360

tcc 363

<210> 7504
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020e03b1

<400> 7504

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ttagtcggac gagattggag tcagtctggt gttgctcgac tcttttctgc aataaaggaa 120

aatggttatc aactgatatt ccttagcgct agagccattg tccaggcata tctgacaaaa 180

aacttcctct tcaatctaaa acaggatggg aaagttatgc ctaatggacc tgttgtaatt 240

tcgcccgatg gattgttccc ttcactctac cgagaagtta tacgaagagc accacatgag 300

ttcaagattg cctgtctgga ggacattaaa gcacttttc cttctgacta caatccattt 360

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aaggcaagat ttttatcatc 440

<210> 7505
<211> 401
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020e05b1

<400> 7505

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tctcaaccgc caattcccgg ccgacgtcgt tctcggcaac ggcgagacct tcaagggtac 240

ttctctctac gcgggcgagc cgctgggcac gaccaaggta ccactggtcc acgcagggga 300

cgtgggctcg aaaatatgcg aagaagggaa gctgaactcc accgtggtag ccgggaagat 360

cgtcttctgc gaccctggcg tgtacgcccg ggctgcgaaa g 401

<210> 7506

<211> 398
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020e06b1

<400> 7506

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caagaaagac tacaacctgg cgaagcaccc gcagattgac gtgccgaacc tccaggtgat 180

caagctcatg cagagcttca agtctaagga atacgtcagg gagaccttct cgtggcagca 240

ttactattgg tacctcacca acgatggcat cgagttcctg cgcaacttcc tcaacctgcc 300

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ttctggccca cctggtgacc ggccaagggg gccacctc 398

<210> 7507
<211> 431
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020e07b1

<400> 7507

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gaaggggga aatcaatccc catgccccca ccctcgccg gaccagatcc ccggcgggcc 180

ggcgcggagc cttaggcggg gatgggcggg gaggccccgg agccgcggcg gctgagccgc 240

gcgctcagcc tggacggcgg cggcgtcccg gaggaggcgc tgcacctggt gctcggctac 300

gtggacgacc cgcgcgaccg cgaggcggcc tcgctggcgt gccgccgctg gcaccacatc 360

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tgctcgcgcg c 431

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<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020e08b1

<400> 7508

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cggcggcggg gctgtgcggg atggagcacc tcatcctgca gctctcccgg acaggcacca 180

gcgagagctc gccggttggg tcgtcggagg cgccggagca gcaggtagac tgccgggaga 240

tcactgatat gaccgtgtcc aagttcaaga aggtgatttc tatcctcaac caccgcactg 300

gccacgccag gttccggcgc gggcctgtgg tggcgcagtc ccagggcccc gccgtgtccg 360

agccggcgcc ggtgagggcg tcttcgtcga ggtccatgac cttggac 407

<210> 7509
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020e10b1

<400> 7509

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ggttcagcgt cggctccgcg gcgtggagct gctaccacga gttcgtcgcc cagctccccg 300

cgcgggcggg ctgcgccgtg atgtccgtcg actaccgcct ggcgccggag aaccggctgc 360

ccgcggcctt cgacgacggg ctcacggcgc tgcggtggct gcggcagcag gcgggcagaa 420

acaacg 426

<210> 7510
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020e11b1

<400> 7510

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ggtggtcaag tcgactgttc ttgcgacctt ccagagcaaa tcatcgatgg tgcttgagct 420

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<210> 7511
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020e12b1

<400> 7511

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gtatcgatac ctacccgacc tacactacaa tcggcgtcgt gccgtatggc atcatcctag 180

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<210> 7512
<211> 379
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<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020f01b1

<400> 7512

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tttatactgc tgttctggag gaaaggagtt ctgcagccaa aagggccttt gcgtcttctt 180

gtgctgcagt tttgaaatat gccagccaat ctcaggctca gaaacttatt gaagacaccg 240

cttctctgca tttaggtgaa aaaagttctc agttatctgg tgcagttctt attaaatcgt 300

acttgagcaa tgcagcagat gttattagtg gatacaatgc agtggttatc cctgtaattt 360

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<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020f03b1

<400> 7513

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ttgaggtcga gtcgtctgac acgatcaaca atgtcaaggc caagatccag gacaaggagg 180

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<210> 7514
<211> 441
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020f04b1

<400> 7514

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ccgaagaaga agcccgccaa gcccaagccc cccaaccgcg gtcgcatcgg caggttctat 360

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<210> 7515
<211> 422
<212> DNA
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<223> Clone ID: uC-tsrow189020f05b1

<400> 7515

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cgcgatccag agggagatcg acgagttcat aaatgaggta gccatcctct cgcagatcaa 240

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gtacgagttc atctccaatg ggacccttta ccatcatctt catgtccaag aacccgcgcc 360

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cc 422

<210> 7516
<211> 331
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020f06b1

<400> 7516

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<210> 7517
<211> 405
<212> DNA
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<223> Clone ID: uC-tsrow189020f07b1

<400> 7517

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ctccgtcgac atgatcgaga agctgctgcg cgccggcatg tgcgtcgccc gcttcaactt 180

ctcccacggc tcccacgact accaccagga gacgctcgac aacctgcacg ccgccatgga 240

ccgcaccggg atcctctgcg ccgtcatgct cgacaccaag ggtccagaga tccgtactgg 300

atttttgaaa gatgggaagc ctatccagtt gaggaagggc caagaaattg tgatctccac 360

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<210> 7518
<211> 250
<212> DNA
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<223> Clone ID: uC-tsrow189020f09b1

<400> 7518

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ccggcggcca tcgacatcac ctgggtgtcg tgccggggcg tcaggtcgtg gctcccgttc 120

cacacgccgt gcctctacgc ctacgtactg cgtgacgccg tcgtctgccg gcaagaacgt 180

ccgccgccac cgcgtcaaga cccccaccga ccgggccggc ggcgagaacc ccaagtggga 240

cgagcgcctg 250

<210> 7519
<211> 449
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020f10b1

<400> 7519

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cacccgccta cccaaccacc atgacggccg agaccgcgaa gcaggcggag ctgctccgcg 120

ccgtcctgga tgagcagaag ctcgcggcgc agggagatga gcctgtagtt gaggatgatg 180

atgatgagga agatgaggat gatgatgacg aggatgacaa agacgatgat attgaaggag 240

ttgatgcaag tggaagatct aagcagagta ggagtgagaa gaagagcagg aaggccatgc 300

tgaagcttgg catgaagact atcactggcg tgagccgtgt aactgtcaag aagagcaaga 360

atatcctgtt tgtcatctcc aagccagatg tattcaagag ccctgcctct gacacctatg 420

tcattttcgg tgaggctaag attgaggat 449

<210> 7520
<211> 448
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020f12b1

<400> 7520

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tcaagggtgc cgagatcgca atggcgtcat actgctcgga gctccaattc ttgggcaacc 120

ctgtgaccaa ccatgtccag agtgcggaac agcacaacca agatgttaac tccctcggat 180

taatctcagc ccgtaagact gccgaggcca tcgacattct gaagctcatg tcctctacat 240

ttttggttgc gctgtgccaa gccatcgacc tgcgccacct cgaagaaaat gtcaagaatg 300

ccgtcaagaa ttgtgtcaca agagtggcta ggaagaccct gatcacaaat gacatgggtg 360

gcctccacac gcacgtttct gtgagaagga cctgctccaa acaatcgacc gcgaggcggt 420

gtttgcatac gcagacgacc cttgcagc 448

<210> 7521
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g01b1

<400> 7521

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aagagacgcc cgaaccaggt gaagcgcact tgctatgccc aagcaagtca gatcagacag 180

atccgccgca agatggttga gatcatggtc aaccaagctg caagctgtga cttgaaggag 240

cttgtgaaca agttcatccc tgagggtgat cggaaaggag attgagaagg ctacctcaag 300

catcttcccc ctcagaaacg tgtacgtc 328

<210> 7522
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g02b1

<400> 7522

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aatctccgtt caacagcaag gtcatggcag aaaccataga tctaacaggg gatggaggcg 180

ctcttaagac ggtggtcaga aaagcaaagg atgatgctat aagcccatct gatagccttc 240

cattggttga tgttcattat gaagggacac ttgctgaaaa tggcgaagtt tttgacacca 300

cacatgaaga caattctatt ttttcatttg aagttggcca gggagctgtc attaaagcat 360

gggatatagc cttaagaact atgaaagttg gcgagattgc aaaaataaca tgca 414

<210> 7523
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g03b1

<400> 7523

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ccgtcgcgtc gatcgccatg tcctcctcca cggggagctt ggaccacgca gggttcacgt 120

tcacgccgcc gcccttcatc acgtccttca ccgagcttct gtcagggtcc ggcgccggcg 180

acgcggagcg gtcgccaagg gggttcaacc gaggggggccg ggccggggcg cccaagttca 240

agtccgcgca gccgcccagc ctgcccatct cgtcgccctt ctcctgcttc tccatccctg 300

cgggcctcag ccctgctgag ctgctcgact cccccgttct cctcaactac tcccatat 358

<210> 7524
<211> 443
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189020g04b1

<400> 7524

ttgtatcccc tcctcacttc gcccctcccc ctctcctatt tcttctctcc gggccccggg 60

ccaaaattcc atcctaagtt ccatcgaaga gggcggcaag gggcgatccg gatagcgcaa 120

gagcgaccat ggcctacgtc gagagaggtg ttgtgaaagg caaacggaca atctggagac 180

taagcataat ccccgacttc tttaaggcta ttgtgaactt catcagaatg ttcttcctca 240

caatgttttc tatcgagaaa acagacagct ataagaaagg atatggtagt ggtaagaagg 300

cgattggtgg acctggggng ggaggtcctg gtgggggtcc aatggtgctg gggccgcgtg 360

gncaaggtgg ccctcgcggt cctcgcacac tatctgacct ccgatcaaac gatcagagtt 420

ccctccctgc ttgtggatcc tgc 443

<210> 7525
<211> 444
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g05b1

<400> 7525

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gcggccaaga cgcagtggta ccacttcacg gccatcgtcg tcgccggcat gggcttcttc 180

accgacgcct acgacctctt ctgcatctcc ctcgtcacca agctcctcgg ccgcatctac 240

tacaccgacc tctccaagcc cgaccccggc acgctgccct ccggcgtcgc cgccgccgta 300

acggcgtcgc cttctgcggc acgctcgccg gccagctctt cttcggctgg ctcggcgaca 360

agatgggccg caggagcgtc tacggcatga cgctcattct catggtcatc tgctccatcg 420

gctccggcct ctccttcgcg caca 444

<210> 7526
<211> 444
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g06b1

<400> 7526

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tgaaaaggac aagcggctca ctgcccttca tggttcaatt gagagcttga tttatgaccc 120

agagcaaaac gatgtacaca ttggacatct ggatgaccga tcaaaaccaa ttctcttctc 180

catggcaaga cttgaccgtg ttaaaaacat gacaggacta gtggaagctt atagtaaaaa 240

tgctaagcta aggtcgctgg taaaccttgt tgtggtcgct ggctacaaca atgtcaagaa 300

atcaaaggat agagaagaga tcgcatagat gcagaagatg catgaactta ttaagacata 360

taacttgttt gggcagttcc gctggatctc tgcccagacg aacaaggctc gcaacggtga 420

gctgtatcgc tacattgctg atac 444

<210> 7527
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g07b1

<400> 7527

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gaccaccctc atgccgctcc tcggcggctt cctcgccgac gcctacctcg gccgcttccg 120

caccgtcctc ctctccaccg tcgtctacct cctcggcctc gtcctgctcg cggtggcgca 180

gctggcaccg ggcctcaggc cgggcggcgt ctccgtgccg cgggttcacg agacgctctt 240

cttcgtgggg atctacctcg agtccgtcgg caccggcggt cacaagccgg cgcttgagag 300

ctgtggcgcc gaccagttcg 320

<210> 7528
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g08b1

<400> 7528

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gtcgttgttg gtacgcctgg gcgtgtgttt gacatgctcc gtaggcagtc tctgcgccct 180

gacaacatca agatgtttgt ccttgatgaa gctgatgaga tgctttcccg tggtttcaag 240

gatcagattt atgacatctt gcacctgctc ccagggaaga ttcaaagttg gtgtcttctc 300

tgctaccatg ccccctgaag ccct 324

<210> 7529
<211> 66
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g09b1

<400> 7529

tcgtggacgc gtgggcgcca ttggtgtgaa ctacggcatg atcgccaaca acctgccgac 60

gccggc 66

<210> 7530
<211> 438
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g10b1

<400> 7530

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ccttcgacga gggcttccag gggagctgga tcgtctccgg caaggaagag tactcaggtg 180

tatggaagca cgagaagagt gatggccatg aagactatgg tctccttgtt agcgagccag 240

ccaggaaata tgccatagtc aaagagcttg atagccctgt tactttgaag gatggaacag 300

ttgtcctgca gttcgaagtg aggcttcaga atggccttga gtggtggagg tgcttatctt 360

aagtacattc gccctcagga ggctggatgg gatgccaagg aatttgacaa tgacactcct 420

tacacaatta tgtttggt 438

<210> 7531
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g11b1

<400> 7531

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ggggccgccc ggccgggtcc aagaacaagc cgaagcctcc aatcatcatt acgcgggaca 120

gcgctaacac actccggacg cacgtcatgg aggtcgcggg cgggtgcgac atctccgaga 180

gcatcacggc gttcgcccgc cgccggcaac gcggggtctg cgtgctgagc ggcgcgggca 240

ccgtgaccaa cgtcacgctg cggcagcctg cctcgcaggc gcggttgtcg ccctccacgg 300

ccggttcgag atactctcac tgtctggctc cttcctaccc cctccagcac caccggaagc 360

cacggggctc accgtctacc ttgccggcg 389

<210> 7532
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g12b1

<400> 7532

gaaccggacc ctgtccaagt gcgacgagct cgtcgcgatg ggtgccgccg tcggggacac 60

gccggcgtcc gtcgtcgcta agtgcaagta caccatcgcc atgctctccg atcccagcgc 120

cgcgctatcc gttgttttcg acaaggatgg cgtgctcgag caaatcggag agggcaaggg 180

ctacgtggat atgtccactg ttgatgctgc aacttcttgc aagataagcg aggcggttaa 240

acaaaagggc ggagcttttg ttgaagctcc agtttcaggg agcaagaagc cagctgaaga 300

tggccaattg gtcattcttg ctgcaggcga caaggcacta tatgatgata tggtccctgc 360

atttgatgta cttgggaaga agtcattctt tctgcgggag atgggaaatg gagcaaagat 420

gaac 424

<210> 7533
<211> 223
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020h01b1

<400> 7533

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ggcggcggcg atggggatcg gcgagcactt tgagggcgtg aagcagcact gggcgcgcaa 120

cttcgccttc ctcgactact tcaagaaggt ctacggccgc gaccagcccc tccccaagtg 180

gtccgacgcc gacgtcgaag agttcatcgc ctccgacccc gtc 223

<210> 7534
<211> 209
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020h02b1

<400> 7534

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aaccgctggc atccggatat ccctcctgtt gctgatgtaa ctgaagggga attattccgt 120

gttgagatgg tctattgcac tggaggaccg attagagatg atgactctgc agatgatatc 180

aaatttctgg acctcaaaat tactcatta 209

<210> 7535
<211> 237
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020h03b1

<400> 7535

cggcgtcatc ctcagcaccc gaatcccgca accaaatttc gaactcgcca ccggccgaaa 60

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acaaggggt taaaacccta gctggattgg gcggcggggc ccttccgcca tttgcccgct 180

gctagagtag ttgcgtgctc cagagacttc cagttcgtgt tcgtggggcg gcggcgg 237

<210> 7536
<211> 290
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020h04b1

<400> 7536

tttgtcgcgt gggccaaatt tggataatcg tgctagtgct ctcctgcaaa aggaatatgc 60

caatctgagt ggaaagagct caaaagccaa aggaggtgct agccaaaaag tcaataatga 120

aaatggtggt gctcgatcgt ttaaaggccg gcaaaaagat gcaaaaccac aagaggatat 180

taagtcaaac aaagatgaca ttaagaaacg caaggtagtg gaagaagctg aagcaagaga 240

agagggtgaa atttcagagt ctgaagaaca gattaaatat cgtttggaaa 290

<210> 7537
<211> 195
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020h05b1

<400> 7537

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cgacgcggcg gcggccgagc ccagaggcgc ggccccgtcc tcctcctccg gcggggcggc 120

gcccgtcacc gtcaaccacg cctcccgcgc ctccgcctcg cccgtgccgc cctcgcccac 180

ctcgccgcac gccgc 195

<210> 7538
<211> 244
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020h07b1

<400> 7538

tcacgcgtcc ggagagagac cggagatggc ggcttccgcg aggcaggggg agagggcgac 60

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ggccgagctc ggcctctgaa tcaacaaggg tgaggccgag gctcacagga cggcggacac 180

caagagccct ttgcctgggg cggagggcga ggaggccggc aggaagaagg agaccatgga 240

gctc 244

<210> 7539
<211> 218
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020h08b1

<400> 7539

cccacgcgtc cgcggggccg tctcattcat tcccatcatg ccatggaccg atcggtttcc 60

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gtcgcgggcc agctcggcga gtggctgctc cgggccgtgc agccgccggc gcccacgccg 180

tgcgggtcgc ccggcgggcc ccctatcacc gcgccgcg 218

<210> 7540
<211> 268
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020h09b1

<400> 7540

atgcatactg caaagccctt ctgcaacttg attttatcaa gtggaatagt aaccctgaag 60

aagttctaaa acggatcaat gagtcaacta gatggtctga tgagctgcat gattatgagc 120

tacaacgcgg tttatagttt gataaggtag ctctggagga agacatcaac tatggtatga 180

gttcagaatt agagaagcat ctacaattcc ctgaccagtt gctcatgcga gaatatttca 240

atagtgtgaa aataaggaac cttgccag 268

<210> 7541
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020h11b1

<400> 7541

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aaagaacagt aacaaagaat gtatttccta gcatccaaac acctgagttt tatgagaaga 120

tagttgttca cacactcagc cataatttcc gcaatgctac aagacttgat cgtgtgcgat 180

tgagattgcc cattgaacca caaggtgcgc tagttaaaat aatatacgct ggtgtaaatg 240

ctagtgatgt aaacttcagc tccggacggt atttcagtgg tagtgctaaa gaaactgctg 300

cacgccttcc gttcgatgct ggttttgagg ctgtgggaat tgttgcttct gttggagatg 360

cagtgagcca tgtcaaa 377

<210> 7542
<211> 274
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022a01b1

<400> 7542

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tgtgcactaa catcatacac atgcataaca agaccctcaa gttatatact ggcaattatg 120

accagtctgt ccaaactcgc tctgagctcg aagagaatca actgaagctg tacaaatggg 180

aacaggaaca tatagctaat atgaatgagc acattgcacg atttggtcat ggatctgcga 240

agcttgctcg tcaggctcag agcaaagaga agac 274

<210> 7543
<211> 271
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022a02b1

<400> 7543

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tcgtggcggt ggctgccgtc gctgggcgct gtggcgcgca gctgccgatc ccggtgagga 180

cggacgggtt cctgtacggc gggaagtcgg ccgcgccggc gtggggcgac ccggtggtcg 240

tcgaggcctt cttcgacccc gtctgccccg a 271

<210> 7544
<211> 471

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022a03b1

<400> 7544

actccacttc ttgagaagga acatcgcgct gcatcgagga agttgcgcaa agtcacacaa 60

gaaatcagtg atttggacga agcaaaacta aaggagaaag ctcgcctgtt ccatgattca 120

tttttgacaa agttatcttt gctactgaaa ggcatggtgg tggcacctcc tgataagttt 180

ggagaaactt taattaatga gaggatcaat ggaggaacat ttactggaag cgagaatttc 240

cagctcccaa acaagatgat ggctaatgct ggaatgcgtc tttacggtgg tgcacaatac 300

catcgggcaa tggctgaatt tcgtctggtt gttggaagta ttcaagtgcc ccccgattac 360

tagggaggaa atagtcaacg cctgtggtgt tgaagatatt catgatggga cgaattactc 420

caggactgct tgtgtaattg ctgtggcaaa agcatgcgac acatttgagc c 471

<210> 7545
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022a04b1

<400> 7545

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gtcacataca gcgaagaaag attgaaccgc cgccgccgcc gtcgtcgcga tgaagttgca 120

gacggaggcc gtcgccgccg gggggcaggg gaggctgatg atccggcagg tgtgggcgaa 180

caacgtggag tcggagttcc aggcgatccg gcaggtggcg gagcggttcc cgtacgtgtc 240

catggacacg gagttcccgg gcgtgatcca ctgccccagc aagcaccacg cgaccctgac 300

cccgtcggtg cggtacgc 318

<210> 7546
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022a05b1

<400> 7546

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gtgtttttgt catagtagct tcagttttcc ttctcctcct gttctacttc atgtcgtctt 120

gggtcgcctg gctactgatt gtattgttct gcattggtgg tattgaggta tttccccgtg 180

tattctctac cttgtgctcg tttgatcaca ctgcaccgag agaagtattt gtacaaatac 240

ttctctcggt gcttggttag ttttttgtat tttggtattc ggctgtgagt ttgtttctgt 300

tttgtgtgtt gcagggaatg catgtttgct tggtgacaat tatctctagg attaataagg 360

attggggaaa taatactgta caattgccc 389

<210> 7547
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022a06b1

<400> 7547

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ggggcgagaa gctagttagc gggtgattaa ggtcgccatg tcggactccg aggaccacca 120

cttcgagtcc aaggcctatg cgggggcgta caagaccttc cctatgcagg ccggcgccat 180

ccggaagggc ggctacctcg tcatcaagaa ccgcccctgc aagggtggtg gaggtttcta 240

cctcgaagac tggaaagcac ggtcatgcta aatgccactt tgttgactta gatatattca 300

atggtaaaaa gcttgaggac attgttcctt catcccacaa ctgtga 346

<210> 7548
<211> 475
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022a07b1

<400> 7548

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gctttgaaac ctgctgtttt cactactgtt gatcagttga gaccaggaac caatggtcat 120

aacttgaatg taaaggtagt gagttgtacg atcgtgattg aaaagcaacg agctgatgga 180

acaaagatca gagtagctga ggctgtcatt ggagaccaaa ctggagttgt cactcttact 240

gcaagaaatg cacaaattga tgtagttgtc ccaggtagta cagttgtact tcgaaatgcc 300

aaagtagata tgtttaatgg ttttatgaga ctagcagttg ataaatgggg tttagtgaaa 360

gctgctccag aacccgctaa gtttgaagtt aacacagaaa atgatctttc aagtatagaa 420

tacgaacttg ttactgttga tgatgctcaa tgattaaaca agacaagaaa tcatg 475

<210> 7549
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022a08b1

<400> 7549

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ctccccggcc gccgcccggc tcgcgccctc cgccgggagc gcccgccgcg cctcgcgcgt 120

ccgcgtccgc gcctccggcg gctcctacgc cgacgagctc gtctccaccg cgaaaactgt 180

tgcttccgct ggccgtggga tccttgcgat cgacgagtcg agtgcaacat gtggaaagag 240

attggcatcc attggtttgg acaacaccga agttaaccgc caggcttaca ggcagctgtt 300

gctgaccact gctggtcttg gtgaatatat ctctggtgct attctctttg aggaaactct 360

ctaccagtcc actacagatg gcaagacctt tgttgatgtc ttgaaggacc agaatatcat 420

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<210> 7550
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022a10b1

<400> 7550

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cggcaacccc accgtcgagg ttgatgtgtg ctgctcagat ggaacctttg ccagggccgc 180

cgttcccagc ggtgcatcga ctggtgtcta tgaagctttg gagctgaggg acggtggatc 240

tgactacttg ggcaagggtg tttccaaggc tgttaacaat gtgaactcca ttattgcacc 300

cgctttggtc ggcaaggacc ctaccgctca aactgagctc gacaacttta tggttcagca 360

gcttgatgga accaagaatg agtggggttt ggtgcaagca aaag 404

<210> 7551
<211> 129
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022a11b1

<400> 7551

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tttgaattgt ggccaggacg acatgtgatg gatgcttaga taaccaagct gaagaattgt 120

ccgttaaaa 129

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<211> 325
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022a12b1

<400> 7552

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agttgatctg tggtgtgagc tactgccatc acatgcaaat atgccataga gatttgaagc 240

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actccaagtc atcagtactg cattc 325

<210> 7553
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022b01b1

<400> 7553

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tctcccgagt cactagaggc actgtgccag caagtgaaaa gatgcactga gattgcactg 180

acctgcatgg agatcgacag acacaaaagg cctagcatag tggatatcat acacgacctt 240

gaccagaccg aaaaaaatat tgaaaatatt aattcttatg aacaagatcc atcaccgcca 300

cttgattcct cttaaatgtt gttgaacctg tagcatcagc tccacctaca actccatctc 360

caccaccttt cctaacccaa tcttatattg gatcttcaac acc 403

<210> 7554
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022b03b1

<400> 7554

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tctcccttcc gcagatcttc cggtcttcga tctcgccggt cgccacgacg ccacaccgtg 120

cttgccagca gaagagacgt tatcaaggcg ctatggctga gccggcggcg gcggcgagca 180

caaggaagct gtacgggtac gagctgtcgt ccaattcggt gcgcatcgcg gcgctgctca 240

acgagaaggg gctcgactac gagctcgtcg tcgtcgacga caccaagtcg ccggagttcc 300

tcgccatcaa ccccttgggc ca 322

<210> 7555
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022b05b1

<400> 7555

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ggtacgcggc gccggtgccg tacggcatgt cgcaggtgaa catcgacggc aactgcggcg 120

ggcgccccat gccgccgcag ccgacggtga agatctactg ccgcgccaac cccaactacg 180

ccatgtccgt gcgcaacggc aaggtggtgc tggcgccggc caaccccaag gacgactacc 240

agcactggat caaggacatg aggtggagca ccagcatcaa ggacgaggag gggtaccccg 300

ccttcgccat ggtgaacaag gccaccgggc aggccatcaa gcactccctc ggccagtccc 360

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<210> 7556
<211> 434
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 7556

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ggttttagcc aggtctttga tatctcatcc ctccaaatat tttcacctca agagcttgac 120

tatctaatat gtggtcgtca agaaatatgg gaggctgaat cactggtaga taacataaaa 180

tttgatcatg ggtttactgc taaaagtcct gccattataa atctactcga gatcatgtcg 240

gaatttaccc ctgatcagca gcatgcattc tgccagtttg taaccggtgc ttctcggctt 300

ccaactggtg gtttggctgc tcttagtccc aagcttacca tagttcgaaa gcacccttcg 360

gtggggtgag tactttgaat caagcggggt aacggatgcc gcggatgacg atttgcncag 420

cgtcatgaca tgtg 434

<210> 7557
<211> 476
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022b07b1

<400> 7557

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ggtctgctct ccggcgcctc gtgttctcgc cactgacccc acccagctcc aggacttctg 180

cgttgctgat ataatgaacc ctgtgattgt gaacgggttc gtgtgcaaga acatgaagat 240

ggtgacggcg aacgacttct tcttgcccgg gcttaacaag ccgggcaagt tgaacgctca 300

gggctcggcg gtgacaccgg tgacggtgcg gcagctgcca gggctgaaca cgctgggcat 360

ctcattggcg cgcatcgact tcgggcccaa cggcgggcag aacccgccgc acacacaccc 420

ccgcggttct gagatcccac cgtgatcatg gggcagctgc ttgtggggtt cgtcac 476

<210> 7558
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022b08b1

<400> 7558

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gattgcagtg ggaattgtca ttgagatcat cgtcatgttc ccgatccagc gccgcaagta 180

ccgtgccggt attgagaacc tgttggtcct cttgatcggt ggtattccga ttgccatgcc 240

tacagttttg tcggtcacca tggctattgg ttcccacaag ttgtcccagc agggtgctat 300

caccaagagg atgactgcca ttgaagagtt ggctggcatg gatgtgcttt gcagtgataa 360

gactggcaca ctcaccctta acaagctcag tgttgacaag atcctggttg aggtgtttgc 420

<210> 7559
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022b09b1

<400> 7559

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catgtgcagg cacgtggtca acgacgggtt cggcccgccg atcaccgacg gcggcgcgct 180

ccccgagagc ggagcctacg ccaccgacca atacatgctg gagctgatct tccacgcccg 240

gatgtggcag tacgagtgcc tcacgcccga ccccgccgcc gccgccgcgg tctacgtccc 300

gttctacgcc gagttcgacc tggcgatgcg catcgacaac agcgacatgt cggcgcggaa 360

cgcgctgccg ggtgacgttg cggctggctg gtgcggcggc ccgagtggcg cgcatggggg 420

gccgcgacca cttcatgcta gccagccggc ccacatggga cctgctct 468

<210> 7560
<211> 448
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022b10b1

<400> 7560

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agaacgctct gaagaacgag ccagaggaag aactgtatat gccggacacc gtggacgtgg 180

tgggtggcaa ccggggtcaa ggatcatcag gatgctgtta gaacctgagg ccacaactgt 240

cagctattcc tttgacatta ctgtatttcc atggtgactt gtggacccgt atttcattcg 300

tgacctttt caatcacctc gtaagtgccc aaggaatgat tgatgcgtct gttccgagct 360

gtcaatctgt ggacgtttgt gtagctttat catgattagc gtcatatctt gtgaatacag 420

taaggcgaaa tagtgaagtg taaactac 448

<210> 7561
<211> 430
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022b11b1

<400> 7561

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cggtgaaagc ggcgatacag attatgaagg gctgctcgga ggcgtgcaga agaccatcgt 180

actcaaaggc tcgtttaatt ctgcgccaaa ccagcttcat gccgccagaa gctattcgct 240

agaggatgtc gtatcgttcg acaagccagg aattgcttcc gtcgacggtt atgccccaga 300

taacctgaaa tcagctctac aacaatttgg tgccctggag ggctagaatc accaactttt 360

gtcagagtca gcagaggaat aagtaggtgt gtggaggcac accttgctat ggggtcgcac 420

acgagacacg 430

<210> 7562

<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022b12b1

<400> 7562

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cgatgagctc ctccaacggc aacggcggga agaagccggc accgtccggc gggcgcgggg 120

gcatccgcac cctcgccgac atcaaccgcg gcccctccgg gttcccaggc gcaggcggca 180

gcggcagcga ctccgatgag ccccaggagt actacaccgg cggcgagaag agtgggatgc 240

ttgttcaaga tccaacaagg agaaataatg cggactcaat ctttgagcaa gctagagtga 300

tgggtgctca gcaagttcca ctgccttctt ttgaaggcca atcttccagc tcaaccagct 360

ttgcaggaac gtgtcgtctg ctttagggga tgcgcagaca gcaccagct 409

<210> 7563
<211> 198
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022c03b1

<400> 7563

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cccaccgact gagcgtctcg cccaccagat caggaggagc tgagggatcc caaccaagga 120

ggagcgcgcg gttgggcgcc taatttgagc tgattggccg gtctgtgctt attgttccag 180

cgcgcgtgct gatccatg 198

<210> 7564
<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022c04b1

<400> 7564

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cccgccctcg cccccgcttg ggtaagaaac gagagggagg agggtcccga cgaaacccgc 180

ccccgccctt gcccgggttc agctcccatg gcggctcggc ccccaccgcc tactccgcct 240

ctcccgtcgc ctccacgcct ccgccggccc cggctccggc gccggcgaag gcaaattgct 300

tctacccggc gtctccagat cgatactaag catggacaag tctgcctgat cccaatcaaa 360

atagtgtgtc tgtcaccaag tggacgagaa ggagatgcat at 402

<210> 7565
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022c05b1

<400> 7565

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cctcggcacg acgtactcgt gcgtcggcgt gtggcagcac gacagggtcg aaatcattgc 180

caatgaccag ggcaaccgca ccacgccgtc gtacgtggcc ttcaccgact ccgagcgcct 240

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caagcgtctc attggccgga gatttaccga ttcaactgtc cagagtgaca 350

<210> 7566
<211> 421
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022c06b1

<400> 7566

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cctcgctcgc ttccactcgt cggcaacctc ctctcactgg gcgcccaacc gcaccgctcc 180

ctcgcgcgcc tcgcggagag ccacggcccg atcatggcgc tccgtctagg cacggtcacc 240

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ttttccgggc gcttcgtcct ggacggtccc acgtgtcggc gcactacacg cacccatggt 360

ctggctcccg gccagcagcc ccggtggcgc gcgctacgca aggtgtgtcg ggtgagctct 420

c 421

<210> 7567
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022c07b1

<400> 7567

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ctgttacgcg tccagaggct agatagctcc gtccgtccgt gtccgattcc gccggggccg 180

ggcgtggata cctaggctag gcgaggcgag gcgccgccga tgtcggactg cagcaccggc 240

acggactcgc cgcgggccga ctccgtcgac gagcagccgc ccgccgacgc cgagtcgccc 300

ggcgttggcc agagcaagcg cgaccacccc tcgccgtcgt ccccgctgcc gccgcccaag 360

cgcagcggag atccgtg 377

<210> 7568
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022c08b1

<400> 7568

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gtcatgaagc agatggtatc tgttctatat gcagtggtga tgcaggaatg gatgaagctc 180

tactaaacag taaagttgaa gctattgttg aagagtacaa tgatctcctc acgtctcagc 240

ttgacaaaca aagaaattac tatgagtcac ttctgtcaga agtcaaagag gagaatgaga 300

aagaaatttc tgcagccact tcgaaatctg tgagcatgat gaaactccaa aagttacagg 360

caaagcttga taagtgcctt gaaagaaaag ttttcttgat gatatcaata 410

<210> 7569

<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022c09b1

<400> 7569

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gagagcccgc ccaccgcccc acgccctgac gccgctccgg ttcgccgccg accgcagcag 180

ccgagcgagc gagcgagagg caagatgcct aagcggacga cccacacgta ctcgagcgag 240

gacgcgctgc cggagggccc cgagtccgac ctcttcgtct actactgcaa gcactgcgcc 300

tcccacgtcc tcatcactga taccctattg cagaaaatgc caaagaggaa gaccgaccga 360

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ctcttgtgaa acgtggagaa ggaaagctcg 450

<210> 7570
<211> 385
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 7570

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gtcgcgctgg cgcttcactg cgtcggctgt ggctgctcgg cgatcaacct tgaaggctca 240

gcgctgctca agttccagtc cagggtggag gnaggatccg catggcgcca tggcaggctg 300

gagcgcgcgg gacgccgacc ttgcggttgg aacggcatcc gctgcgccga tgacagggtt 360

gtgatgctga accaaaagat ctctc 385

<210> 7571
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022c11b1

<400> 7571

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cccgagagtt ggagctttcg ctctgggtag gcgatggtgg gcttggtgcg ggtggtgccc 240

acgggcgatg aggtccctct ccttgcgggt gcagtgttcg atggtggtgg ttgggactcc 300

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gcagcgg 367

<210> 7572
<211> 453
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189022d01b1

<400> 7572

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tcgccatcga gtcccccttc ttcaccgccg cgagaggctt ttcttcggct gaaacacttg 300

ttccacggaa ccaagatgct gggttggctg aactcccagc cactgttgct gcactgaaga 360

accccaactc ataaatcctt tatgaccagt acaaccatga aagatatncc tctggagatc 420

ccacaagcgt gcctttgcct actttgtctg agt 453

<210> 7573
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022d02b1

<400> 7573

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ccgtctcacg gcgcggccga gaggaggatc agcgcattgg cctgccctgc gtcggcgctc 180

cccgactggg actccgacga gggatggatc gacgtgctct ccgggccaac ggaagcagtt 240

gccgttcccg ccaaggtgac gtgtggcatc atcgtggacg acgcgatcac cagtgaagag 300

gagtcaatcg acccagagtc cggtgctctc gacattaccg tggacgtgga gtaca 355

<210> 7574
<211> 478
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022d03b1

<400> 7574

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gagcgcgcgg ttgggcgcct aatttgtgct gattggccga tctctgcttc ttgttccagc 180

gcgcgtgcgg atccatggaa tcagcatcgg agaggactgg cgctatggat tcaccggagc 240

caagaatcga ggatgagaaa actgttaaac ccaccatttc acttgattca agtgttatca 300

atctaccaag tgaaggacaa gtccaggcgg tcacatccaa cataggtggg gaacatagtg 360

ctgcatatcc acaacacatt tattcatcgc aagcagaacc attctattac caaggtacag 420

gatatgagaa ccttccaaat gaatgcgatg tatatcctcc catacgagtg ttgatgga 478

<210> 7575
<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022d05b1

<400> 7575

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ggccgtcgtc ggccccg 317

<210> 7576
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022d06b1

<400> 7576

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ctgtcccaga tggagttctg cgtcctcatg gtcaggctca gccccgacct catggaccag 180

ccccgccggt ggctcgacga cgccgtcgcc caggcctccc acttcctctt caccagctag 240

gcggagcatc tggtgtcgat cggataggaa attaatcttc ttcttcgttg ttgtttttc 300

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tgaatgattt cgatgtgtgc tctcc 385

<210> 7577
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022d07b1

<400> 7577

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ggttgggcag ttacccaagt cgctcacatg tcaatggtga actgcatgac gtcaaaccca 180

acaagtcggg ttgcactagt gagctgccgc aatgccttca cgatggtcgc aaatcttagc 240

ttgtatggca ttgctttgtt gatatttact ctaatgcggt cagtgagtgt attagttcag 300

tatcgttgga ttgcttatac ggccatttcc atcggatgtt gttttgttgt cgcgttcttg 360

attggaacaa aagagccagg gttaaatcaa ccttctcagg ataagagcct 410

<210> 7578
<211> 449
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022d08b1

<400> 7578

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cgcttgggtg gggcagcgat ggagatggcg acgatggctc agacgagtcg atttttggga 180

ctggcgatgc aaatgacgtt aagctcaaga gcttcccggt atgcgatgat cggcattctg 240

agctgatccc ctgcttggat aggaattcga tatatcagat gaggttgaag ctggatctaa 300

acttgatgga gcattatgag cggcattgcc ctcctcctga gaggcgattt aattgcctga 360

ttccaccgcc acatggctat aaggttccca taaaatggcc aaaaagtcgc gatttagtgt 420

ggaaagcaaa tattcctcac actcacctt 449

<210> 7579
<211> 333
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022d09b1

<400> 7579

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ctcgggctcc aatgggcagg ctgggagcgc ggcactagag tatggcacca agttttctcg 120

ctcgcttggg tggggcagcg atggagatgg cgacgatggc tcagacgagt cgatttttgg 180

gactggcgat gcaaatgacg ttaagctcaa gagcttcccg gtatgcgatg atcggcattc 240

tgagctgatc ccctgcttgg ataggaattt gatatatcag atgaggttga agctggatct 300

aaacttgatg gagcattatg agcggcattg ccc 333

<210> 7580
<211> 369
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022d10b1

<400> 7580

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aatagccgct gctaccaggc gggcggggcg gacaccctct gccgccgcca tgggagcgct 180

cgaggaggcg cacctcgccg ccgtcgccgc ctgcgggtgc gacgaggagg aggatggaag 240

atctcctggt ggaggtcggc ggcggggagg cgccggggga cgccatggag ccggcggtgc 300

gcgcgctgct ggcggggctc ggcgaggacg accgccggga ggggctgcgc cggacgccca 360

tgcgcgtcg 369

<210> 7581
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022e01b1

<400> 7581

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ggaggaagaa gaggttactc atctcgcaat catcctcaga ttctgaattc catgtctcag 120

ataaggatgt cagggacttg ggagaggcta aatctctggt ggctcagccc atgctgtctg 180

tgtccccgag gaggctttct tttacaagga atggatggga caaaggaaag gagaaaaaag 240

aactagtaga tgctgggaag ccctggtgtg ggatatgcct ctctgaggat cagaggacga 300

ctctacaggg agtgctgaat tgttgctcac actacttttg cttcgcgtgc 350

<210> 7582
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022e02b1

<400> 7582

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ttggttatat catgcagaac taccactgtc actgggctat gtcccattgc tcagggttct 120

gagactttca aatgctgctc atagtttcca caaaaacgtc aagttgagta cgtttctcca 180

tgagacctct gttcgagacc tgacgttggg gtttaaatgc gaaaaggttt gggttcaacc 240

agagtgtttg accagaaggc aggcatatgc gttccagcaa ctaaggattc tcaatctagt 300

taaaattcct gaagggtatg atctcacctg gacaatgttc ttcttggaag cggcgccgtc 360

cctggaggag ctc 373

<210> 7583
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022e03b1

<400> 7583

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aactgccgtc ttctccgcgc ccacggcagg ccgcagaggc accgccgccg accccgctcc 120

tcctccggcg ccagcgccag cctctccgtc tccggcccgg agatggatcc cgccgcgcgg 180

aaggatctgt acccgcacgt cgagcccttc gacaccggcc gcctcagggt ctccgacgtc 240

cacaccatct actacgagca gtccgggaac cccgggggcc accccgtcgt cttcctccac 300

gggggtcctg gggccggcac gtcgccgggc aaccgcaggt tcttcgaccg gagttcacag 360

gatcgtgctg ttcgaccaga gaggcgcctg caagagcact 400

<210> 7584
<211> 476
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022e04b1

<400> 7584

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aagtttaaag agagatcatt gagagcatag agctttattt aataaatttg cagatcgaat 120

aagtaaagag aaaaaaagaa atccaaaaaa tgtaaattta ttttttaaac gtatttgaaa 180

atttgaaaaa atatacctaa aacaaagaaa aaatcctaat atattaaata aattacaaaa 240

atataatcga catttaaaaa aatttcaaaa attctcaaaa aaaaaaccat atattttatt 300

ggtaaattgc gctaaatcat atacagataa agaaagttta atggaacttt taaaagcttc 360

agcaggacta aatccaaaag caatagcagc atcataaaaa atatggatta aattgccggt 420

tcaatatatt gaatttttt agtcaaaagg aatgaaaaat agaaatttta gaacaa 476

<210> 7585
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022e05b1

<400> 7585

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cagggtatgg aggtctcggc gcagggcctc ggctgcatgg gcatgtccgc cttctacggc 180

ccgcccaagc ccgagcacga catggtcgcg ctcatccacc acgccgtcgc cgccggcgtc 240

accctgctcg actcctccga catctacggg ccgcacacca acgagatcct cctcggcaag 300

gcgctgctgg ggggcgtgag ggagagggta gagctggcca ccaagttcgg catctcgttc 360

gccgacggca ag 372

<210> 7586
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022e06b1

<400> 7586

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tttacccagg gaagggtatc aggttcattc gttcggattc gcaggttttc ctctttgcca 180

actcaaaatg caagcgctac ttccacaacc gcctcaagcc tgcaaagctt tgctggacag 240

caatgtacag gaagcagcac aagaaggaca tccatgctga ggctgccaag aagaggcgcc 300

gcaccaccaa gaagccgtac tcacggtcga 330

<210> 7587
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022e07b1

<400> 7587

tctttttgtg actgccatgt cgtcgtcggc catggaagcg ctccacgccc tgatgccgga 60

gcagcaccag ctggacgttg aggcggctgc ggctgtcagc agcgccacca gcggcgagga 120

gagcggccac gtgctgcagg ggtgggccaa gaggaagcga tcgcgccgcc agcgctccga 180

ggaggagaac ctcgcgctct gcctcctcat gctctcgcgc ggcggcaagc agcgtgttca 240

ggcgccgcag ccggagtcgt tcgctgcgcc ggtgcctgcc gagttcaagt gctccgtctg 300

cggcaagtcc ttcagctcct accaggcgct cggaggccac aagacgagcc accgggtgaa 360

gcagccgtct cctccctctg atgccgctgc tgccccactc gtggccct 408

<210> 7588
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022e08b1

<400> 7588

tttttcacgc gtccgtcctg aataaatttc tcgaaattcc caatattaga gcaagattta 60

tgagtgacaa gttactgtcc gaggtgcttg aggccttctt ggttattcgt gggctagttg 120

tgcagaagac gaagttaatc aatgactgca atcggctttt gaaagacctt cttgatagtt 180

tacttataga gagtactgca aacaaacgcc aatttattcg tgcttgcatc tctggattgc 240

agaagcatgt gaaggagaaa aagagacgga catctctgtt tattttggag caactctgtg 300

atttgatttg cccagtgaaa ccagagcctg tttacctttt gattttaaac aagtcacata 360

ctc 363

<210> 7589
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022e09b1

<400> 7589

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gagaagccgg cgagccaggc cgacgtgggc ggcgaagtgg aggcgcataa ggagaggaag 120

gggctgtggt cgccggagga ggacgagcgg ctgtacaccc ggatcaccag gcacggcgtg 180

tccacctgga gctccgtggc gcagctcgcc gggctgcggc ggagcggcaa gagttgccgg 240

ttacggtgga tgaactacct ccgggcggac cttaagaagg agcccatctc caagcgcgag 300

gaggagacc 309

<210> 7590
<211> 447
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022e10b1

<400> 7590

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tcctggacga cgagatcaac caggccatcg tccgcccgct agtgcacggt gtcaagctcc 180

atgccatcgt cgacgcttgc cacagtgcca ccgtcctcga tcttccctac cagtgcacct 240

tctccaagca gtacgggtgc ttgaggtgga tggatgagcg ccctctgaat ggcgcctgca 300

aaggcacgag cggaggccag gccgtgctca tcagtggcag cagcaatgga aagacccaga 360

tgagcgtgct gcctgagccg aatgcaacga ttggcgccct gacgcacagc ttcctcaagc 420

agtggagtgc gagccccgca ccaccta 447

<210> 7591
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022e11b1

<400> 7591

ttttctgtct ttttcttcac ttccccctcg ccttctcctg ccctcccctc ctgatcggag 60

tctcagccgc ggcagccatg gcgaagacct accccgttgt cagcgccgag taccaggagg 120

ccgtcgagaa ggccaggcaa aagctccgcg ccctcatcgc cgagaagaac tgctccccgc 180

tcatgctccg cctcgcgtgg cactccgctg ggaccttcga cgtgtcgtcc aagacaggcg 240

gcccgttcgg gacgatgaag aagccggcgt agcaggcgca cgccgccaac gcgggcctgg 300

acatcgccgt gcggatgctc gagcccatca aggaggagat ccccaccatc tcctacgctg 360

atctctacca gct 373

<210> 7592
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022e12b1

<400> 7592

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tttttcacgc gtccgcccac gcgtccggta ggaggaaaga agagactgat gtagctcgaa 60

gtaggataga aacatatgta aggtcttcac tccgtacagc ttttgctcaa agaatggaag 120

aagcagattc aaagcgatca tcaaggaacc ctaccccagt tatgtctatc cttgcaaagg 180

acattggtga cctagcaatt aaggagaaaa atctgtacag tccaatattg aagacatggc 240

atcccctcgc ttcaggtgtt gctgttgcaa cgcttcattc atgttatgga agtgagctga 300

agcagttcat agctgggctt tcagagttaa ccccgggaca gttcaagtgc tcaagtctgc 360

agacaaatt 369

<210> 7593
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022f01b1

<400> 7593

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caactctgtt aatagagtcg agctactggc aaagaaaatc actgagcttg gctattcgtg 120

cttctacatt catgctaaaa tgttgcaaga ccaccgaaac cgggtgtttc atgattttcg 180

gaatggtgct tgcagaaacc ttgtttgcac agatcttttt actagaggaa ttgacattca 240

agctgttaat gttgtcatca attttgactt ccccaagact gctgaaacat atttgcatag 300

ggttgggtcg ttctggaaga tttggacacc ttggtttggc ggtgaactta atcacttatg 360

aggaccgttt caacatgtat aggattgagc aagaacttgg gaca 404

<210> 7594
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022f02b1

<400> 7594

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acaccgtctt cgatgcgaag cgtcttattg gcagaaggtt tgctgatgcc cctgtccaga 120

gtgatattaa gatgtggccg tacaaggtta ttcctggccc cgcagacaag cctatgattg 180

tagtgcagta caagggtgag gacaagcagt tctcagctga agaaatttct tccatggtcc 240

tcatcaagat gcgtgagatc gctgaggctt acctaggagt aactattaag aatgctgttg 300

tcaccgtgcc tgcttacttc aatgattccc agaggcatgc aaccaaggat gccggtgtta 360

ttgctggtct taatgtgatg cgtatcatc 389

<210> 7595
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022f03b1

<400> 7595

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accctgccat gacgtccaag gtagccaaca gctccggcag caacaatgcg gatgccaagc 120

tatcgccgtc ggggctcccc gtccgggagg tcccgggcgg ctacggcgtt cccttcttgt 180

cgccgctgcg cgaccgcctt gactactact acttccaggg cgcggaggag tacttccgct 240

cccgcatcgc ccggaacggc ggcgccaccg tgctgcgcgt caacatgccc cc 292

<210> 7596
<211> 334
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022f04b1

<400> 7596

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gccctggtga actacggcaa ggactacggc cgcctcgtcg tcatcgtcga cgtcgtcgac 180

cagaaccggg cacttgtgga tgctcctgat atggtcaggt gccagatgaa cttcaagcgt 240

ctttcgctga ccgacatcaa gattgacatc aagcgtatcc ctaagaaggc aactttgatc 300

aaggccatgg aggaagcaga tgtgaaaacc aaat 334

<210> 7597
<211> 447
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022f05b1

<400> 7597

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aatggaagga catccagtac ctaaagaaga ttgctgggga tcggactgtt cctgttgagg 180

ttgggaagag ctatgtttgc agtgagtgga agcaggagct tatcacgttc tcccagttcc 240

ttgagaggat gtggtcaacc gcctgtcctt caaatttgac atatctagct cagcatccat 300

tatttgagca gataaaagag cttcatgaag acataatggt tcctgactac tgttatgctg 360

gtggagggga actccaatca cttaatgctt ggtttggtcc acacggacag tgacaccatt 420

gcaccacgac ccgcatcaca acatttt 447

<210> 7598
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022f06b1

<400> 7598

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gacgagctgc tccaggcgca gtcggacctg tggcgccaca gcctctgcta cctcacgccc 120

atgtcgctcc gctgcgccgt cgacctcggc gtccccaccg ccatccaccg cctcggcggc 180

gccgcgtccc cgtccgaact ggtcgccgcc ctgtccctcc ccgcgtccaa gctgccgttc 240

cttgcccgcc ttctgcgcca gctcgccacg gccggcgtct tcagcgccac cgacgccgga 300

acgtaccgcc tcaacccgct ctcctacctc ctcgtggacg gcgtccgcat cgacggcgac 360

gccagccaga c 371

<210> 7599
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022f07b1

<400> 7599

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ccaaaggggt gggaagattg gtctcttcgg tggtgcagga gtgggtaaaa ctgttcttat 120

catggagttg atcaacaatg ttgccaaggc ccacggtggt ttctctgttt ttgctggtgt 180

cggagaacgt acccgtgaag gtaatgactt gtatagggaa atgattgaaa gtggtgtcat 240

taagctcgat gagaagcagg ctgaaagcaa gtgtgctctt gtctacgggc aaatgaacga 300

tgccccgggt gcccgtgctc gtgttggtct tactggtttg actgttgctg aaca 354

<210> 7600
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022f10b1

<400> 7600

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agaaggtgga ggtggaggcg gcgccggagc cggaggccgc accgccagcc gtccctgccg 180

cggagcccga ggcccccgcc aaggacgtca ccgaggagaa ggccgtcatc cccgcgcccg 240

cgccggccgc cgaggaggag aagccgcccg ccgatgactc caaggccctc gtcgtcgtcg 300

agaaggttgc agatgaacct gttgctgaga aacccacaga tgagaaggct gcacacggcg 360

gctcaaatga cag 373

<210> 7601
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022f11b1

<400> 7601

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cgacgacttc ttcttcgcgg ggctggcgcg ctcgggcgcc gccgactcgg ccgagagccc 180

gttcgggtcc agcgtgacgt cgggcaacgt ggcggccttc ccggggctca acacgctcgg 240

cgtctccatc aaccgcgtcg acctcgcccc cggcggcgtc aacccgctgc acagccaccc 300

gcgcgccgcc gagctgtgca cgtcgtcgcc ggccaatgct cgtgggcttt g 351

<210> 7602
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022f12b1

<400> 7602

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acgctgctca agagcgacgc cctctacacc tacatcctcg acaccaccgt cttcccccgt 180

gagcacgagt gcatgcgcga cctgcgcctc atcaccgaca agcacccatg gggctacatg 240

cagtcgtcgt cggacgaggc acagctgctg gggatgctga tcaagatggc gggcgccaag 300

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ccggaggacg gcaagggtgg tggccatcga cacc 394

<210> 7603

<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022g01b1

<400> 7603

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gcgtcgccga catcatcaac ggcacctccg ccatgggcaa gacggtccac ggccggaacc 180

tctactccta cttcccgggg tccccctcgt ggccgcgctc caagaagagc ctcaggtacg 240

ccatcacggc ggccaccgag acgaccatcg accgggccac gctgagcaag gtcttcgcga 300

gcgccttcgc gcgctggtcg 320

<210> 7604
<211> 237
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022g02b1

<400> 7604

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gcggcctgga cgccgcgtcc gtgcacccgt ccccgccggt gcacgaccgc acggtgctgc 180

gcgcgcgctc tcccccgcat gccaccttcg agcacccggt ctactccccg agcaacc 237

<210> 7605
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022g03b1

<400> 7605

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acacgtgaac gccgactatt tccccaagtg ctgcaacaac tgcaggtcct tctcgggggt 180

cgacgtctgc gacgacgccc acccccagtg ccccaagggc tgctcggcct gccgcgtggt 240

gacgccgagc cctcacaaga cgttccggtg cgccgacatg aagagcaccg tcgatggcac 300

ctgcggcggg ccatgcaaga agcactgatc cgttcaaggc ttcaggctca gacgaggtgt 360

gccgcctaaa ataaagctca gatgagatga gcagtcatg 399

<210> 7606
<211> 462
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189022g04b1

<400> 7606

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aacttcaagg gcgccaggat gccgagcgcg ccggcgggcg cgggcgcgct ggtcaagctc 120

gggctgctcg gcggcgccgc gctctacctc ggcaacaaga ccctctacaa cgtcgaggga 180

ggccaccggg ccatcgtctt caaccgcctc gaggggatca aggacaaggt ctaccccgag 240

gggactcaca tcgtcatccc gtggttcgag aggcccatca tctacgacgt ccgcgcgcga 300

cccaacctcg tcgagagcac ctccgggagc cgggatctcc agaggtgaga attggtcttc 360

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<210> 7607
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022g05b1

<400> 7607

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acccgtcgcg tccacctgga gaacatctgg caggctgcct acactgcggg cgtcgtcctc 240

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gacgttggct tctcccgtct tggtccccgc atgaccatga gccg 344

<210> 7608
<211> 309
<212> DNA
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<223> Clone ID: uC-tsrow189022g06b1

<400> 7608

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ggcggccccc tcgagccagg cgagcctcct gctccagaag cagctccgag atctagcgaa 180

gaaccccgtg gacgggttct cggcggggct ggtggacgac ggcaacgtgt ttgagtggca 240

ggtcaccatc atcggcccgc ccgagacatt atatgatgga gggctacttc aatgcagtaa 300

tgacctttc 309

<210> 7609
<211> 350
<212> DNA
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<223> Clone ID: uC-tsrow189022g07b1

<400> 7609

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cgcccccgcc ggcgccgcac gtcccgttga gccaccagcc gagctcggcc acgccgaact 180

ccagcgtagc cgtcccctcc gccgtgagca cgaacaccgt ggaggtcagc acgtcgtcgc 240

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<212> DNA
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<223> Clone ID: uC-tsrow189022g08b1

<400> 7610

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cgcatggacc ctaaggcaac tttaacagca gaagatatct tgaactcttg gcctgagctt 180

gaagttgggc gtatcctccg tgattatggg gaggaaaaca attggcaatc ccttcagagg 240

cgaattgtta aagaacggaa aaaggggttt tacactctac tagcgagctt gtcaaactta 300

tccaaagaac gtgcaccatt tcaagaggac ggcaaggctg gattaaaact 350

<210> 7611
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022g10b1

<400> 7611

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agtacattga acagcaaaac ctgtattgct ttcttcttcc gagctgattg tagccgtgat 180

accgatcccc caactgtctt ctttattcag ttcatgacaa gataccgaca tggtgatggt 240

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attgctgcag ggtttgatca ggaagctgc 329

<210> 7612
<211> 465
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022g11b1

<400> 7612

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gcctgcagcg acccggcctt tgtcctgggc ctccctcgcc gacgaggaca acgaggatga 180

cgaagaagag ttggctccgc tgacgccgcc ggcttccaaa agcccggtct ctgctgctga 240

cccgactatt ccatgcgttg ggcacgagga ggagacgagt ggtggatggc atgaggtact 300

gcctcggcgc ggtcggcgct gctaggcgtc accaacaccg gcatttgctc ctcgtcccat 360

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ttgcggagat cccttatgat gctcccgttg cttggagaac ggaca 465

<210> 7613
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022g12b1

<400> 7613

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aagatcggaa tcaacggttt cggaaggatc gggaggctcg tcgccagggt agccctccag 180

agcgacgatg tcgagctcgt cgccgtcaac gacccccttca tcaccaccga gtacatgacc 240

tacatgttca agtacgacac cgttcacggc cactggaagc acagtgacat caagctcaag 300

gacgacaaga ctctgctctt tggcgagaag ccagttaccg tcttcggcgt caggaaccct 360

g 361

<210> 7614
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022h01b1

<400> 7614

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agtcgtattg tcaggatcat gcgcaagaga cttgttagga agacttttga tatgattcag 180

gatattgctg acaaggataa caaggaggac tacaagaaat tttgggagag ctttggcaaa 240

tttatgaaac 250

<210> 7615
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022h02b1

<400> 7615

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tcgatccaca tcggccaggc cggcatccag gtcgggaacg cgtgctggga gctgtactgc 180

ctcgagcatg gcattcagcc tgatggccag acgcccggtg acaagaccgt tgggggaggt 240

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gtcttcgtag atctcgagcc cact 324

<210> 7616
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022h03b1

<400> 7616

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gcgcgggcca ccacggcccg cgcgtgaagc ggcgccgcat gaagcgcgag atccactccc 240

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ggctccgcgc cggccgccc 319

<210> 7617
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022h04b1

<400> 7617

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tcactccagc ccccctacca ccgcactcga aaacctctct ctctctctct cactccaaca 120

gtttgcagga aagagaggga gagatcgatc ttgcgttgcc aagatgttca tcgagagctt 180

ccgcgtggag agcccgaacg tgcggtacgg cgcgggggag atcgagtcgg agtaccgcta 240

cgacaccacg gatctggtgc acgagagcca cgacggcgcc tccaagtggg gtcgtccgcc 300

ccaagtccgt caactaccac ttcaagacca acaccaccgt ccccaactcg gggtgatgcc 360

gtggggtggg gcggcaacaa tggct 385

<210> 7618
<211> 296
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022h05b1

<400> 7618

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tctccccccg cccatctacg ggaacgactt tcgggccccg cgccgcttcc gcctctagct 180

ccgtgggcgc cgggcgggtc cgcgcggcgg gagcccccga gggaggcaag tggttgggcg 240

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<210> 7619
<211> 411
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189022h06b1

<400> 7619

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atgtggtttc cctacaaatg gtactacact ttgtaatttc cagtgggttc gctgtcatga 180

agatggcacc aggtattcta ttgaaggtgc tacgatgtat gactatgtgg ttactgcaga 240

tgatgttggc actcttcttg ctgtagactg cactcctatg gatgatagtg gccgccaggg 300

tgatttgtga gnggagtttg ctaacaatga gaacaagata acttgtgatc aagaaatgca 360

gaatgacatc aatatatgca tttaaggggg agagccgctt tgatgtttat g 411

<210> 7620
<211> 368
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189022h09b1

<400> 7620

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gaggcgccgc tgctgctcag gatcaacacc gccagaggcg gccacatggg cggaggcgag 180

tgcgacgagg ccgagaacca gcggtggccg ccgtggctca agccgctgct ggcgaccagc 240

ttcttcgggc aatgcaagat gcacgcggac gcccacaagt tcgagtgcaa catgtactgc 300

ctcgactgcg tcaacggcgc gctctgtncc cagtgcctcg cctaccacca tggccaccac 360

gccatcca 368

<210> 7621
<211> 421
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022h10b1

<400> 7621

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attgcgcgca tcgactatgc tcccttgggt cagaacccac cacatacgca ccctcgcgcc 180

actgagatcc tcacggtact cgaggggaca ctgtacgttg gctttgtcac atccaaccag 240

cccgccccaa acagaaacaa gttcctctcc aaggtgctca acaaaggtga tgtgtttgtc 300

ttccccgtgg ggctcatcca cttccaattc aaccccaacc cacacaagcc cgccgttgca 360

attgccgcac ttagcagcca gaaccctggg gctatcacaa ttgccacgcg gtgtttgggt 420

c 421

<210> 7622
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022h11b1

<400> 7622

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aacatcttct gggggtccgg gcagtcgtgg acggccgcga acgccgtgaa gtcgtgggtg 120

gacgagaagc ggaactacca cctcaacagc aacacctgcg atgccggcaa ggtgtgcggg 180

cactacacgc aggtggtgtg gcgcaagtcg acccgcatcg gctgcgcgcg cgtggtctgc 240

gccgggaacc ggggcgtctt catcacctgc aactacaacc ctccgggcaa cttcaacggc 300

gagcgcccgt tcctcaccct tgacgccgag tcctagtagt acatcgtgcg tgtgtgtttt 360

ttt 363

<210> 7623
<211> 426
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 7623

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aaacctcaga tcccacccat cccacgccat ggacgacgac ttcgacatcc ccgcgggcga 120

cgacctgatg atgggggacg ggatgggtga cttcggcggc gccgaagggc cggggatgaa 180

ggtgggcgag gagaaggaga tcgggaagca ggggcttaag aagaagctgc tcaaggaggg 240

cgaagggtgg gacacccccg aggtcggcga cgagggtcga agtccattac actggcaccc 300

tccttgatgg taaaaaattt gactccagcc gtgaccgtga tgacactntc aagttcaagc 360

tgggacaagg tcaagtaata agggatggga tcaaggcatc agaccatgaa gaaggggaaa 420

atgctc 426

<210> 7624

<211> 368
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024a01b1

<400> 7624

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gcccatgtcg atgccgatca cgagggtggg cgagtatgac gatgaagaca ggaagcttaa 240

gcgcggtgct cggcccccag gatgccgatg tcatcctagt ggccagggtg ggcaactgcc 300

cgctccggcc ctcctcgtcc tggtgccatg gcaacgacgg gagaggaggc ctgctctgct 360

ccgtgtgc 368

<210> 7625
<211> 439
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024a02b1

<400> 7625

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agatcaggag ctcagtatgc acgggcacgc aggaaattct gttcaagtga tttttgatag 420

tgggagctcg tatacatac 439

<210> 7626
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024a03b1

<400> 7626

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aaacccgatg gacaagggtc tacgcctctc catttggctg ctgcaggagg aaattgtgaa 360

atagtaaaag ccttgctttc caaaggggtc aatgttgatt cattgtgtca tactggaaca 420

ccactgc 427

<210> 7627
<211> 455
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024a04b1

<400> 7627

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gagatgatca aggctggcag gctctctgag ccata 455

<210> 7628
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024a06b1

<400> 7628

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<210> 7629
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024a07b1

<400> 7629

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caagggcgac gacgactcgc ggctgatgcg cgacctctgc acgctgctcg tcaccatcat 180

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cgtcgcgctg c 371

<210> 7630
<211> 431
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024a08b1

<400> 7630

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ccgccacaaa g 431

<210> 7631
<211> 484
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024a09b1

<400> 7631

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gcagctggta atggggagga caggctaagc gagttgccca atgacgtgct gctcaacatc 180

ctcgagaggg tgggtacgct tgatgccgta aaaacctgca tcctgtcaaa gcaaatgcag 240

aagctgcccg ctatgctctc acagatcgta attgatctca gctctcaaga tttgattcaa 300

atggatggtg ttgtggctga tgtgacgaac aagatcctta gtatgaggtc tccagagatc 360

accattcgca agctgaagct caaatttttc ttggttccct ctcgctgtct ttccatcggc 420

aaatctgttg gcctcgccat ggtgacccag aaattggatg cagctgagtt tgagatcatg 480

acac 484

<210> 7632
<211> 475
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024a10b1

<400> 7632

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tatcagacaa tctccccaaa gagtttagct gattctgttc tcgaggaagg tggctggtcg 180

aacttggtgt gttcaaagga tggtcctcaa aagaatgttg atgttgcagt tctttttctt 240

ggatcaaagc tacaatcatc agacatctct aaagataaac aagtcgatcc tgctttagcg 300

gacatactaa agctgtcctt ctcaagctct gagttttcca tggcattccc ttatgttgcc 360

atgtcagacg acgaagcact agagaactca ttgctatctg gatttactga gaattgtgag 420

gatggttctg gaggaaatca tatcacttac acagacacgt gtactgcaag cagtg 475

<210> 7633
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024a11b1

<400> 7633

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cattccatag catcctcata gccgcctgca agcagatctg agcagctata ataactccct 180

gatcggatcc gctctcgttc cttgcgctga tttgcgatga ccggagggga ttccatggat 240

gcaatcagcc tgtatgactg ggagctcctg cctgacctcg ggagctcctt cttcctggag 300

gagtgctctg ctggtggtgg tggtaaggat caggatcagc tcttgtttgg gtccggtttg 360

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tg 422

<210> 7634
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024a12b1

<400> 7634

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cgccaccgtc cagaacctcc aggacgaggg cgagaccaag cacctgcagg ctctggatgg 240

cgcggacacg cggctccggc tgttccagat ggacctcctc gaccccgcct ccgtccggcc 300

ggcggtcgag ggcgtccacg gcgtcttcca cctggcctcc cccgtgatac tgcagcccgc 360

acaagaccct gagaacgagc tgctgctgcc ggcggtcaat ggcgcgc 407

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<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024b01b1

<400> 7635

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tggccaaggg cacccgggtg acctaccacg cgtacgccat gggacggatg gagtccgtgt 180

gggggcccga ctgcgccgag ttccggccgg agaggtggct ccgagacaac cagttcgtgc 240

cggagagccc gtaccggtac ccggtgttcc agggcggcgt gcgcgtctgc attggcaagg 300

agctggccat catggagatg aaggcggcca ttcgggccgt ggtccagggc ttcgacatcg 360

agacggtcgg gcggagc 377

<210> 7636
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024b02b1

<400> 7636

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agcagctagt ggggctgaac acactgggca tctcaatggc gcgcatcgac ttcggtccca 180

acggcgggca gaacccgccg cacacacacc cccgcggcac cgagatcctc accgtgatca 240

tggggcagct gctggtgggg ttcgtcacct ccaaccagca ggacgggaag aacctgctct 300

tcacgaagca gctagtggag ggcgacgtgt tcgtgttccc acaggggctc a 351

<210> 7637

<211> 452
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024b03b1

<400> 7637

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ggtggtctcc gttctcgagc tccaggccgg cgttgtggaa gaccagctgc agcctctcgg 180

cggatggcat gccgtcgagg caacctccat gttggaaaat tgcaagacaa acagtactgc 240

tacagatgga ggcaccagca gcaggataga tatccccggt cctgcaaccg aacagaacat 300

ccctaaaccc agtaatcctc ttcatccatg cccgccgcca cagtcgctgc cggagggtgt 360

gcagtccgtg ctcaacacgt cacgggttaa ccgaaagtgc attggagatg gtgatggctt 420

cactgcttat gaggagagga ttggaggtga ta 452

<210> 7638
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024b04b1

<400> 7638

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tcttcagtcg tcctcttccc tgctggagat ccgtacccta ggtaagcctc ggtttcgtcg 180

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tcgtgccttt agctgtacgc gtatgttgcc cgagtagatg cgaacccgct tgctgttgcc 300

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ttaggagcat ggcccggtgg aactgttgag gcgctcatat gtt 403

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<211> 453
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<223> Clone ID: uC-tsrow189024b05b1

<400> 7639

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caggccgcca cggagagctt ccggtccaat ggcatgtcca aggacgccga catgatccag 240

aaagccttct ccgcgcacgc caggaacgca gcggtggcgg aggcgtgcaa gattctccgc 300

tcagatgcgg atgagatatc taagctggac aagttgaatg agttgggcgt tgaggtgacc 360

gatgagatgg tggcactggt tgtggagaag gtcggacagt ttccgcgaca ggcaatggtg 420

ttcttttatt gggtggagca gtcagctggg gca 453

<210> 7640
<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024b06b1

<400> 7640

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caaaagccac gggtacggcg gccaggggca cggttgcgac cagggctacg gcggccacgg 180

gcagcagcag cacgggtacg gcggccacgt gcagcagcac gggtacggca gccatgggca 240

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cgcgccacac cacggtgggc acatgggatc gtaccacacc gggcacggcg gcgggcac 418

<210> 7641
<211> 445
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024b07b1

<400> 7641

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gaggccgccg ccgccgccgg gggggagggg aggctgatga tccggcaggt gtgggcgaac 180

aacgtggagt cggagttcca ggcgatccgg caggtggcgg agcggttccc gtacgtgtcc 240

atggacacgg agttcccggg cgtgatccac tgcccaagca agcaccacgc gacgctgacc 300

ccgtcggagc ggtacgcggc gctcatggcg aacgtggacg cgctccacct gatccaggtg 360

ggcctggcgt tcgcggcgtc gcccgacgcg gcaccggcgg tggcgttcga gatcaacctg 420

cgggagttcg acccgcgcgt gcacc 445

<210> 7642
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024b08b1

<400> 7642

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tcctcgtcat gggcggcgcc gtcgtcggca gggccgtggt ccaggcctac cgtcaggcca 180

tcgtcaatgc acaaagaacc ggagctgctc aggaagctgt gaatggtatt cgaagggcta 240

gcaaggtcat gacggagcaa gaagcccggc aaatattagg aatcggtgaa aagacgagct 300

gggaagagat cgtgcagaaa tatgatacca tgtttgagaa gaatgc 346

<210> 7643
<211> 102
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024b09b1

<400> 7643

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acctatgaac catgtggaac tgcgaaaggg tgaatggctc at 102

<210> 7644

<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024b10b1

<400> 7644

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gctgcacccg gacgaccaga aggtggtgta caaggacagg gagcgggact ccaaggcctt 180

cctcgacatg gtcggcgtca aggaccgctc caagatgacg ctgctcgagg accccaccgc 240

ccaggccaag cgcctcatcg aggagcgccg gaataccaag gcccagcgcg ccgccaaggc 300

cgtctcgcgc gtcagcctcg acctcgacaa gctcgcgtcc aaggtgtcgg cgctggagac 360

gatcgttagc aagggcggca aggtggtgga ggccgacctg gtcacgctca ccgaggcgct 420

gatgagcgag ct 432

<210> 7645
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024b11b1

<400> 7645

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taagcatatg tctgcactca gcatgtatga gaggagaaca actgggcggc caggtccata 180

catgctacca aagtaccaaa cacacccaaa atatctgctg tgcctacacc cttattttat 240

gatttatttt ctaaaagttc taatcgataa ttgagatgca tatgtcccga tgcatgagat 300

attttgtgat cacttctaag ttctaacgtt gtcatgcctc taggatgggc gggtcggcga 360

agggcccgta gagccatccc ttggcgatgt ggccg 395

<210> 7646
<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024b12b1

<400> 7646

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ccagaaatat tggatagatc ccagatagat gaaattgtaa cagtaactac tcaagaagct 180

atggacatgg ctagaagatt ggcaagggaa gaaggattgc ttgttggcat atcttcaggg 240

gcaaatgcag ctgcctgctt aaaggttgca tcaagagagg agaacagggg aaagatgatt 300

gtgacaatgt tttccagtgg tgcagagagg tatctgaact cggagctctt tgcgcaggtt 360

aaggaagagt gcgttaacgt caacatgacc ttctgatgtc catatcaagg caatgaca 418

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<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024c03b1

<400> 7647

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ctggatctgc catcatgaag aacaggtatg tccttactgg agcagcatgg gtaactggtg 180

ccttcagtaa ggttgcaaat accgcgaacg atgtcggggc aaaggcgaag gagaaaatag 240

cggctgagca ggagggcaag accgtagcgg ccgggtatgc acaagctgac atgtcggacg 300

ctcgtgaaaa gcccagggat ttggatggtg aagtcacaaa gatacatg 348

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<211> 398
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024c04b1

<400> 7648

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aaggatgcac tgttgaggat gaagcttttg ttggtatggg agcaaccctg ttagatggtg 120

ttgttgtgga aaagcatggg atggttgctg ctggagccct tgtaagacag aacacaagga 180

tcccttgtgg agaggtatgg ggcggaaacc ctgcgaaatt tctgaggaag ctcacagatg 240

aggagattgc ttttattgcg gaatcggctg ccaactactc caacttagcc aaggcacatg 300

ctgttgagaa tgccaaaccc ttggagaaga ttgattttga gaaagtgttg cgcaagaaag 360

ttgcttacca ggacgaggaa cacgattcca tgcttagt 398

<210> 7649
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024c05b1

<400> 7649

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cgtcgtcctc gggggatgcc gccgagcgcg cggccatcgc cgacaagggc ttcttcttcc 180

acccttcgcc gcggggcgcc gagccgccgc ggctcctccc gctcttcccc gtgagctcgc 240

ccaggatggc cgccgcgtcc gcgacggcgg cgccggccga gtgagtgacc caaagcctcc 300

gcctttgcgc gcgcatcctg ctcagccagc catgaagtaa tctacgactt ctaccatcgc 360

caccgccctc gctgtatcat cgccgtcctt tggtcgcagt tctagtttca tactgtagta 420

gtagcaaggt gtttgctgtg tcgttcttcg ccggcgccgg cgctgctg 468

<210> 7650
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024c07b1

<400> 7650

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gcccaaatca cctgaagaaa tgataacaat tcttcagaga gttgttgaag aatgcactac 180

gtcccttgtt gctgccagga ttgaagctga agaaagacta aacaatcaac gtttgcgtga 240

ggaacaagat gctgcttaca gagctgcact tgaagctgat caggccaggg aacgccagat 300

gagagaggaa caagaaagac ttgaaagaga ggccgcggag gctgagagga agcgtataga 360

agacgaggaa gcacaagcca gggcagtcca agaagcagct gaaaaggaag ccgctcttgc 420

aaggagacgg caagagaagg caatggctct tggcgctgag ccagagaaag ggcctgacat 480

tactcgagtt 490

<210> 7651
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024c08b1

<400> 7651

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caccggcatg gagaaggtct ccgtggaaga gcccgaggtc aagaaggagg agcacgagga 180

tggcgagaag aaggagaccc ttttttccaa gctgcaccga tccagctcca gctccagctt 240

gtttagtgac gaggaagaag aggaggtgat cgatgacaac ggcgaggtga tcaagaggaa 300

gaagaagaag gggctcaagg aaaagctcca ggggaagctg cccggccaca aggacaccga 360

gggtgagcac gtgacggg 378

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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024c09b1

<400> 7652

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gtgccaagaa gaaccgatga acatgggggc gtatacctac atcaatcctc gcctgctgac 180

cgcgatgagg gcgctcggtc gtggcagcat agatgatatc aagtacgtcg gaagggcccc 240

atctgcagcc acagctacag gtttctatac tgtccatgtc caggagcaaa ccgagctcgt 300

gaagaaggcg ctgcagcgag accccatcaa gtctccgctc tgaacatgta gattctttgc 360

atagccatca gaacttctga tctcctacca tgcagaaaaa caacaggtct aaattacacc 420

tcttcagcca tttggtgaat aatcgttgcg catgtgtggt accgcccatt agaaaaggtc 480

tgaggtccat tttgagtgca t 501

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<400> 7653

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ggccgcctcc agggccaagc tcgccgcggc caccgccagc gccaagaaag cagctgctac 180

tacagctagc gggcggggca agggcaaggg caaggccgtc aagaaggtct tctccctcac 240

cggccagaag ttcgatatcc cagaggagag ggagcccctt cggatcttct acgaatcgct 300

ctccaagcag atcccatcca gcgacatggc cgaattctgg ttaatggagc atgggctgtt 360

atctccggag agagccaaga aagcctatga cagaaagctc aaacggcagc agcagatcaa 420

atcagggacc ccgatcaagt cgtcaaattc caacactgtc agcaaacaca acaacaa 477

<210> 7654
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024c12b1

<400> 7654

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ttcggcggca tgatcttcgt gctcgtctac tgcacc 396

<210> 7655
<211> 452
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024d01b1

<400> 7655

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ttcattggaa gccctgtgac atacgacaag aaggttttgg agacaatagg gaagaagctg 180

aagaagaata atgttgccct tgacgttgtt gattttggtg aaactgatga tgaaaagccc 240

gagaaactgg aagcgctgat cgctgctgtg aacagcagtg atagcagcca catcgtccat 300

gtccctccgg gtgatcatgc cctttctgat gttcttataa gcactcctat ctttactggt 360

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ggatatgatt ttggcgtgga cccaaatgtg ga 452

<210> 7656
<211> 501
<212> DNA
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<223> Clone ID: uC-tsrow189024d05b1

<400> 7656

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gtttggctgc aggaaccctg aggagatccc atgggctgct gctggtgctg agtacgttgt 360

tgagtccacc ggtgttttca ccgacaagga caaggctgca gctcacatta agggtggtgc 420

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tgagaaggaa tacaagtctg a 501

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<212> DNA
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<223> Clone ID: uC-tsrow189024d06b1

<400> 7657

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tggtccagaa agtgaagaac tcggatctca agagctttct tggcgacgac tggatccggc 240

tgcacaaccg aatgtttcag catcaggcga ccaactacga gagggcgtcg tggagtcagg 300

tgctctctta cctgagtgat gatggcctat gtgccgccgg aggtgccgct tctcgtaaaa 360

tcatcaggga gaagttcaaa aacttcaacc tgtcctttga agatgtttat cgagttcaga 420

cggcatggtc tgtccctgat gaccaactcc gcgaagatgt caggat 466

<210> 7658
<211> 445
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024d07b1

<400> 7658

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tctgcgccaa cagctgcggc ttcccgggca acccggccac caagaacctc tgccagaact 300

gcttcctggc gtcctccttc tcgccgtcgc cctccgccgc ctcgccgccg tcccccttcct 360

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<210> 7659
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<223> Clone ID: uC-tsrow189024d08b1

<400> 7659

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<210> 7660
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<212> DNA
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<223> Clone ID: uC-tsrow189024d09b1

<400> 7660

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atcgccaatg accagggtaa ccgtatcacg ccctcatggg ttgggttcac cgatggcgag 300

aggctcatcg gtgaggctgc aaagaaccag gcagctgtca accctgagag gaccgtcttt 360

gacgtcaagc gtctcattgg aagaaagttt gaggacaagg aggtgcagag ggacatgaaa 420

cttgtcccct acaagattgt caacacggag gggaagcctt aca 463

<210> 7661
<211> 489
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024d10b1

<400> 7661

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gtcagcggca agatgaggcc tattctcatg aaggggcacg agcgcccgct cacgttcctg 180

aagtacaacc gggacggcga cctgctgttc tcatgcgcca aggaccacac ccccaccgtc 240

tggtacgccg acaacggcga ccgcctcggc acctaccgcg gccacaacgg cgcggtatgg 300

tcctgcgatg tctcccgcca ctccgcgcgt ctcatcacgg ggagcgccga ccagactgcc 360

aagctctggg acgtcaagac ggggaaggag ctcttcacct tcaggttcga cgcccccgcg 420

cgctccgtcg acttagccat cggcgaccac ctggcggtca tcaccaccga cagtttcatg 480

gggaatatg 489

<210> 7662
<211> 445
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024d11b1

<400> 7662

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atgtcgtgga gaggatctgg gagtcggtct tcccccttccg cggcaacttc acagagaaga 180

ctttcgacaa acccgacctg tatgggccat tctggacatg caccaccctg atttttgttg 240

ctgcttccat tgccacgttt gtcacctacc tttcccacaa atggcacaag aaagagtgga 300

cctatgatat taatctggtt acatggtctg ctggcttatt ctatggctat gtgacatttg 360

ttcccccttgg gttatatgtc attcttaagt acttctcagc acctgctgga ctcgtgcaat 420

tgtggtgcct atatgggtac tcttt 445

<210> 7663
<211> 382
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024d12b1

<400> 7663

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gtccggtgcg aggagatgtg catctccggc gggctggtcc gtcagaagat gaagtacctc 180

cgcttcctcc gcaagcggat gaacaccaag ccctcgcacg gccccatcca cttccgcgcc 240

ccctcgcgca ttttctggcg caccgtgcgc ggcatgatcc cgcacaagac gccccgcggc 300

gaggctgcgc tcgccaggct caaggcgttc gagggcgtcc cgccgcctta cgatcgcacc 360

aagcgtatgg tcattcccga cg 382

<210> 7664
<211> 459
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024e02b1

<400> 7664

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tgacccttc gcgggccgcc agggttgggt tcggtggcag ggtcagcgtc ggctcgggca 180

ggaagtgcgg cggccccgtg cgggcgtcgc tcttctcgcc caagcccgcg gtggccatgg 240

acgcgaggcc gaccaaggtg caggagctgc acgtctacga gctcaacgag cacgaccgcg 300

agagccccgc ctacctccgg ctgagcgcca agcagagcca gaacgcgctc ggcgacctcg 360

tcccttcac caacaaggtc agtcagtcca gcaagtgatg aatctttctt gctccttcct 420

ctgttccgtt cctcttcctc tgctagcttt gttgagtgg 459

<210> 7665
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024e03b1

<400> 7665

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tttttaaaat ttgaagtaga tgtcattccg tagcattgtg cgcgatgtaa gggatagctt 180

tgggagctta tctcgaagag gatttgacat caggattctg ggcaatggca gagggagatc 240

tcatggtgct gtccatgagt tacatgaccc cgttcctgta atccagagca gctgttgggc 300

taacttgcct tccgaattgc ttcgagatgt gattgagagg ttggaggcta gtgaggctac 360

atggccctgt aggaagaatg ttgttgcttg cgcagctgtc tgcagaacat ggagagagat 420

gtgtaaagag attgtaaaaa atccggagtt ttgtggaaag atcacttt 468

<210> 7666
<211> 490
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024e04b1

<400> 7666

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gaaggatcca cgtataatgg atggaaattg gatacatgaa cctaataaag atgtcatcag 120

ggatttttc cgtctgctag ccatctgcca tacatgcata cctgaagtag atgaaactga 180

taaagtttca tacgaagctg agtcccctga tgaagctgca tttgttatcg cagcaagaga 240

attagggttt gagttttaca agaggacaca gacaagtata tttattcgtg aacgcgatcc 300

tagccagaat gttgcagatt atcagtatag aaaatatgag ctcctaaatg tcttggaatt 360

cagtagctca cgaagacgga tgtctgtaat agtgaaggaa ccagagccag aggggaggat 420

attactgttt agcaagggcg ctgatagtgt gatgttcaca aggcttgcac cagatggaag 480

aaaatttgag 490

<210> 7667
<211> 499
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024e06b1

<400> 7667

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cggctgcggg gcgtcgctgt cgccgtcgat gacgcggttc gggatcgccg cgcgcttcaa 180

cgccacctcg tcggccgtgt cggaggccgc cgccgcgtcg ggcgccgtcc acgcggtgcc 240

gcggaccgag cctgtcgtgt ccgccgagtg gctccacgcc aacctcaggg accccgatgt 300

gaaggtactt gatgcctctt ggtatatgcc tgcagaacaa aggaatccac ttcaggagta 360

ccaggtggct catatccctg gtgccttatt ctttgatgtc gatggaatat ctgacagagc 420

atctaatctg ccacacatgc tgccatctga aaaagcattt tctgccgctg tgtcttccct 480

tggcatctac aacaaagat 499

<210> 7668
<211> 425
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024e08b1

<400> 7668

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ggcaagcccg agccggcgcc accggtggcc gcaaacaagg ccgcggtgga ggctgcgcgc 120

atgaccgcgt cgtttctggt gaagaagctc tcggcctcgt tctcccctgg ttcggacaac 180

cgcgtggtgc acgagatccg tctgctcgcc aagtccggct ccgagagccg cgcgttcatc 240

ggagaggccg gcgccgtgcc gctcctcgtg ccgctgctca actccgagga cgccgcgctg 300

cagctcaacg ccgtgacggc gctgctcaac ctctccattc tcgatgccaa caagaagcgc 360

atcatgcaca ccgacggcgc ggtggcggcc ctctgcgaag tgatgggctc cggcgcgaca 420

tggcg 425

<210> 7669
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024e09b1

<400> 7669

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agagagaggc ttctcctacc cccagtctcc aaaggtcccc tccattgtca gcgagaggta 180

caggactgcc taccacttcc agcctccaag gaactggatg aacgatccat gtggaccaat 240

gtactacaat ggcgtctacc atgaattcta ccagtataac cccgatggcg cctttgaccc 300

caatgactcc cttatgaaca tggtttgggg ccattcggtt tcaacagacc tcatcaactg 360

gatcggtctt gaaccggcaa tcaaaccaga tatcccaagt gacata 406

<210> 7670
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024e10b1

<400> 7670

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tggcctcggc ggacgcggcg gggcagaggt ccctgccgac gccgttcctg accaagacgt 180

accagctcgt ggaggacccg gcggtggacg acgtgatctc gtggggcgag gacgggtcga 240

cgttcgtggt gtggcggccg gcggagttcg cccgggacct gctccccaag tacttcaagc 300

acaacaactt ctctagcttc gtgcggcagc tcaacaccta cggatttagg aagatcgtgc 360

cggaccggtg ggagttcgcc aacgactgct tccggcgagg cgagaagcgc ctgctctgcg 420

acataca 427

<210> 7671
<211> 180
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024e11b1

<400> 7671

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tgagcgatcc tagcatgggg aaggggcagg gtgaggcctc gcgcacctgc cggcggtcgg 120

caggtcgact tgttgcgcca ccgcgtcgtc atctcctctg caccatgaga ggcgccacct 180

<210> 7672
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024e12b1

<400> 7672

tatccccttc tgtgatttca gcataggccc agtgcacaag aaagatgtta tgaaggctag 60

tgttatgctt gagaggaaga aggaatatgc aactatcttg gcgtttgatg tcaaagtgat 120

gcctgatgcc cgtgatcttg cagaagagtc tggcgtgaag atcttcgtgg cagatataat 180

ataccacctt ttttgaccaa tttacagcat acattaagaa catatgggaa gagaagaaga 240

aggacagtgc cgaagaagct gttttccccc gtgttcttaa gatcatgccg aactgtgtct 300

tcaacaagaa ggatccaatt gttttgggtg tcgatatcct tgaagggata gccaaggtgg 360

gaacgcctct gtgcataccc tcgaaagaat ttatcgatat tgggaagatt gcctccattg 420

aaattaatca caagcaagtc 440

<210> 7673
<211> 505
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024f01b1

<400> 7673

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cttaaagctc gaagaagact tgttgcgaag actggctgca aagctatgat ggtggtgaag 120

tataacgcaa gtgagaatca ttgggaagta gtgtttgttg agctggagca taaccaccca 180

tgtaatcctg aaatggtcag attcatgatg tgttttaagg atctccctga ctggcagagg 240

gagcaccgac cattcaatgc gaaaactaga ttgaacccaa agattcattc tggtagaggc 300

aggccaccca accaaaacaa agatttcatg gtgaggtcct tcgctcagtc taattattca 360

attgaagcag ctgccaagtg tgggaagctg agatttgcag agggtgacgt tgaggcatta 420

ttagtctttt tcgataagat gcaagctcaa aattccaact tcttctacaa ctgggacatg 480

gatgatgaag gccggcttaa aaatg 505

<210> 7674
<211> 469
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024f02b1

<400> 7674

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caaggacccc aacgcccact tcctcctcgc cgtcaatctc caggtccccg gccggccgga 120

cgcctacagc tcggtcttct acttcgcggc ggaggcgccc atcccgccgg actccctgct 180

cgggcgcttc gtctacggcg acgacgccta ccgcaacgcc cgcttcaaga tcgtcaaccg 240

catcgtcaag ggcccctggc tcgtccgcgc caccgtcggc aactacgggg cgtgcctcct 300

gggccgcgcg ctcacgtgcc gctaccacag gggcgacgac tacctcgaga tcgacgtgga 360

catcggcagc tcggcgatcg ccactgccat cctgcatctg gcgctgggcg cggtcacctc 420

ggtgaccatc gacatgggct tccttgtcga gtcccagtcc gaggaggag 469

<210> 7675
<211> 388
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189024f03b1

<400> 7675

ttctcgcgtc cgcatgtggc cattgccacc ctgatattgt caaggccgtg caggagcaga 60

ccaagttgct tcagcacacc accaccatat acttgcatca tgccatcgtc gagtttgccg 120

aggcgcttgc ctccaagatg ccaggcaatc tcaaggttgt gtacttcgtc aattctggga 180

ccgaagcgaa tgaactagca atgttgatgg ctcggctgta cagcgggaat ctcggtatga 240

ttgcattgag aaatggatac cacggtggga gtgctggaac aataggtctc acgggtttgc 300

agacgtggaa gtacccgatt cctcagggtg agattcatca tgtcatgaat ccngatcctt 360

accgtggagc ttttgggtct gatgctgc 388

<210> 7676
<211> 444
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024f05b1

<400> 7676

tgctgctcac gcggttcgcg tgcggctcgc tggccgtcgg gttcgcggcc aaccatgccg 60

ttgctgacgg ccacgccacc agcgacttcc tggtcgcgtg gggccgcgcc gcgcgagggc 120

tggacatctc cggcccgtcg ccgacgccac cgccgcacag ccaccccgat ctcttcccgc 180

cgcgcgaccc gccagtcgtc aacttcgagc accgcggcgt cgagtactac cggccgtcgc 240

ccagcaaccc caagcagggc gagggcggac accacggcgc cgaaaacgtg gtcatccaca 300

aggcgcactt caccaaggac ttcatcgccg ggctgcgcgc caaggcttcg gaggggcgcg 360

ggaggccgtt cagccggttc gagaccacgc tcgcgcacct gtggcgcacc atgacgcgcg 420

cgcgcgacct gagccccgaa gaga 444

<210> 7677
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024f06b1

<400> 7677

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gcggcgacga cttccccggc tgcgcccacc gccccgccga ccgcaaggcg tggatggcgg 180

agctgggccc cgaccgcctg cgcctgcacc aggtggtctg gccgggcacc cacgactcgg 240

ccaccaacaa gatcggcatc cccttcatca cccgcccctt cgcgcagtgc cagtcgctct 300

ccgtctacca ccagctcgcc ctcggctgcc gcctcctcga cgtccgcgtg caggaggagc 360

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tgcgcttcct gtccgagacg gagtcggagg tcct 454

<210> 7678
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024f07b1

<400> 7678

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agatcgagcg ccaggcaggg tcgggcgccg ctcctccagg cggcacggtc gcggcagacc 180

ttcagttgga tctgcacctc gtacagcttg cccgccagcc tcctcttcca ctccttcccc 240

ttcgacggcg acccctcagg ttctccgacg agatccgcgt gtgcactcgc cgcgtgatgg 300

agacatcaac atcaggggtc tctccctccc gtccgcgtca aggccggagg ggactgccag 360

cggtggactg caagcgagcg agcgt 385

<210> 7679
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024f08b1

<400> 7679

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catggcgatg tcggcgctga acccggacgc gcccatgttc atcccggcgg cgttcaagaa 180

ggtggaggac tactcgcccg agtggtggga gctggtcaag accaccgcct ggttccgcga 240

ccactggttc cgccagcacc agctctacga ggacctcgcc gacgacgtcg acgtggacga 300

cgtcgccgcc ctcctccccg acgactccgt cgacctgctc gacgccgacg acctcttcta 360

ctccccgccg tcgccccagc cccagcccga cttctaccac tacaaaccag cagggttcgg 420

cggcgacatg ga 432

<210> 7680
<211> 375
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024f09b1

<400> 7680

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agttagagag gacggcaagt cgaaggcgtc gatttcgagc caaattcaca tgtccaaaga 120

ttgtggacgg ttgcaatcag atgagatacc aattggtagc aaagatggca gtgcagttac 180

tgttgcggcg gagaacattg tttttcacga tgcagcagtt tctgaaaaag taacactggg 240

ttcatttgct ggagactacg accaagatga tgacaatgcg gcagctttag gtgaatacct 300

taagcgacca gtgcgcttgg cgagttatgc gtgggctcaa ggaggaggtt ttgcacagag 360

catcacccct tgggc 375

<210> 7681
<211> 451
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024f10b1

<400> 7681

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ctccgttttc cttgatcatg tcctggccgg cgttgctgaa aaccctctcg ccggagggca 120

tgactttgag gcaacctcca tgttgaaaaa tcgcaggata aacaatactg atgcatacgg 180

aggaggcatc agcagcagga gcaggacaga tgatagtctt cgtccatcac ggcgggggcg 240

gcggccggtg ccggagggct tgcagttcgt gctcaacact ttaccggttg acccaagctg 300

cattggggat ggtgatggct tcactgctca tgtgaaggag atggcaggtg atacaaacaa 360

ccgagatcca aagcaatacc gaataagaat gagagggatt gatgcaccgg agctgaacat 420

ggaatatggg aagaagtcaa agaaagggtt g 451

<210> 7682
<211> 479
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024f11b1

<400> 7682

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ccgctgctct ctgctggctg tccactgacg cctcgccccc accgcctctt cccgcccccc 180

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gcgctggagg ggcctaccgg actggaaagg gagctgcatc ggggggtcgc cgatctggtg 300

gcgcggggta cgaggaggag cagcagaagg tcctccgcgc gtcgcttctc cacgtgccga 360

ggatgggatg gagcgagtcg gccatgatcg cgggtgcgag ggacgtgtcc gtgtcgccgg 420

ccatcgtcgg tgccttccca aggaaggagg ctgcgctagt tgagtttttc atggatgac 479

<210> 7683
<211> 379
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024f12b1

<400> 7683

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cgcgagctac gaggtcatgg gcatggacgc ttcggccctg gcctatggcg acatcgtcaa 180

gagggtcctc cggtactttg gcccttcaga gttctcagtg gcggtcacca tcttcggtgg 240

ccgcggccat gccgccacct ggggcaagaa gctcgacgcc gaggcatacg actgcaacaa 300

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cgaagaggtt gctgtctct 379

<210> 7684
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024g01b1

<400> 7684

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gacaatgtca agaaagaatt atctgcattg ctcttgcatg ctattcaggt cccgagaatt 120

atgaaagcca gtatggtaag acgttcattt ggatcatcaa gtttgagggg gcgttcattt 180

tcaaatcaag gtagctattg gctggcgata gttgacaatt tgaatgaact cttgaatatc 240

ttgcgagaaa attgtgtccc tgctattttt attcggaaga tatttaccca gattgtctca 300

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aacggagaat atgtaaaaca aggattggca c 391

<210> 7685
<211> 435
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024g02b1

<400> 7685

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ccaggatcct gcaggccggc ggcgtcgaga aggtgttccg gcagtggttc tccgtggaca 120

agaacgagcg gctggtgagg gcgtcgcagt gctacctgtc caccacggcg ggtcccatcg 180

ccgggatgct cttcgtctcc acggagcgcg tcgccttccg cagcgaccgc tcgctggccg 240

tggccgcccc cgacggcgcc aagctccgcg tgccgtacaa ggtgacgata ccgctgcgca 300

aggtgcggcg cgccgtgccc accgagaaca agcacaagcc ggagcagcgc tacatcgagg 360

tggtcaccaa cgacggcttc gagttctggt tcatgggctt cgtcagctac caccggtcgc 420

tgcagcacct ggagc 435

<210> 7686
<211> 332
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024g03b1

<400> 7686

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accggcatgg agaaggtctt cgtggaagag cccgaggtta agaaggagga gcacgaggat 180

ggcgagaaga aggagaccct cttctccaag ctgcaccgat ccagctccag ctccagctcg 240

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aagaagaagg gtctcaagga gaagctcaag ga 332

<210> 7687
<211> 397
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024g04b1

<400> 7687

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atatatacgc gccctcccaa tctctttctc cgagcgcgaa atctgacaga gcagtgtcag 180

accgttgttg agcaggaagc ggaaggacag ttcaatccgc aatggaatcc ctagccgccg 240

ccacgttctc gccctcgcgc ctcgctgccc accccgcccc gcccgcggct gcggcagcgg 300

gcagatcgag ggcggtggcg gcactaggga ggaggaggag cagcagcggc ctgaggtgct 360

cgtcggcgag cgcgaccccg gtgatcaatg ggagcgc 397

<210> 7688
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024g05b1

<400> 7688

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gaccttcaac tccggcatgg ccgtgtaccg ctccaacggc gacgccgggt ccgtcatctt 120

cgtcgccgtc tcctacctcg acctcgtggc cctcttcgcc tgcctgcgcc tctacgagcg 180

cctcgaccgc cactcccccc gccgggagcg gatcaaggcc gccgtctggg cgctcaccac 240

gctgctcacc gtcatgttca cctacaaggt cgccgaggtc atgccgctcg ccgtcaagct 300

cctggtctgg gcgatggccg ccgccaccac ctgcggcggc ttctacgtct ttttcgtcca 360

cgacgacaag ccgtaccagc agctgcagga cgcg 394

<210> 7689
<211> 439
<212> DNA
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<223> Clone ID: uC-tsrow189024g06b1

<400> 7689

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gaaggagcgg cttaacaagc tcggcgttct tggttgtata tcgtgcatag taggttcagt 180

tgttgtcgtt ctacatgccc ctgaagagca catgcccgat tccgttgaag aaatctggga 240

tctagctact caaccaggat ttctagcata tgcgggaaca acattgttac tcatggcaat 300

agtagtagtg ttcatcgaac ctcgatatgg tcagaagaac atactgatat atctgggtat 360

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gcttacgctg gatggaatg 439

<210> 7690
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024g07b1

<400> 7690

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gagacttgta ctaccagcca gcagtacaaa cacctggcct atgtcatctc ttttctccct 180

tactattgga gagctatgca gtgtttaaga aggtacatag aggaacatga cattaatcag 240

ctcgccaacg ccgggaagta cgtgtcggcg atggtggcgg ctgccgtcag gttcaagtac 300

aatgtcacac cgacaccatt ctggatgtgg atggtcctca tctcatcctc aggcgccacc 360

gtttaccagc tctactggga ctttgtcaag gattggggct ttt 403

<210> 7691
<211> 374
<212> DNA
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<223> Clone ID: uC-tsrow189024g08b1

<400> 7691

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ttgggtggtc cagctgtttc agctcctcaa ggaagaatgc ccatgggacc tggtgttcct 180

gatgggccac ctacacccag cttgaagact cgcttgtgta acaagttcaa cacagcagaa 240

ggctgtaaat gggggaacaa gtgtcatttt gctcatggag agagggagct cggaaagccc 300

atgctgttga acaactcgat ggcacctcca atgggaccaa gacccaacgg tcactttcag 360

ccctcaccga tgcc 374

<210> 7692
<211> 383
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024g09b1

<400> 7692

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gcgaaggaaa atatctcctt cacaggaatg ccggaagatg tgcatgcgtg ctagagggct 180

accttggttg ggaactggca gtctagcttt tgaagatact gaaatacaac agttgctcca 240

tgggcatacg caggatgatc catggaccac ctaccatctt ggtgaagatg gttgaaacga 300

attgatcatc tgcaggtctt gtccacatca ttgagtgccc ctgatcagtt ctgatcacct 360

caagttacaa catcactgcc ttt 383

<210> 7693
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024g10b1

<400> 7693

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aacaaggtgg cagcatcaag aagagcatcc tcgatgcgtg taagagctgc catgaagatg 120

gcatacctcc tggccttcgc cgtggtcttg ctctcggcgt gcagcctcgc ctcctcgagg 180

tcgctgccct cggtcaccac ccatggagcc gacgcacagc tggaaggtgg ccgagccgcg 240

cgcgccaagc tcgaccctcc aaccgcgaat gccgataaac cgccggagct cggcatccgc 300

gacgacggtg ccattcagac tgagaagaaa aagcgccatg ccgaggcgcc gcccaagcac 360

cacgggcctg gcaaacacgc tcccccggcc gacccttcgc cgccggcgcc tgatccggac 420

<210> 7694
<211> 222
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024g12b1

<400> 7694

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atcgcgttgg tgttgccgcg caggtcggcg cagaattctt ccatggacgc ggtgatcttc 180

tccaggtagt ccttgatgga cggatccatc gcttcaagtt gg 222

<210> 7695
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024h01b1

<400> 7695

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accactgtac catgcggcgg cggggaccaa ggaaggacgg cctaggaggt ttataccatc 120

aaaccacagg attgggaaaa ttgtgccttt gttcacagag ttgaaagatg atgcactgga 180

tagcttcagg gaaacatttg caggcagtca gaccgaaaga aacgcaaggg ctaattaaag 240

aagccaatga agttgttgcc taactggaag ctgcaaaaca tttcttgcaa agttgatcac 300

aatacttaat caaatgacat tgagatccag aaatgtgagt tcgaaggatg aatcacaatg 360

tatatgttac tgattattag tgatgatgca ttcagaaaat gtacataaac 410

<210> 7696
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024h02b1

<400> 7696

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agagattgac tattcagaag aaatctgcag atgaagaaag ggagaggctt ttgaaggaac 120

agagacttag ggagcagcag aggatccgta aagaaataga ggaaaaagag gcgagggaag 180

cagcaaaaat gatagaagat ttaacaggaa gggggaagaa taagaaaaaa attcacattg 240

agggggatat gacaaaacaa cacgccatgg aggtggtgtt gaatcaacag gtgaaggagc 300

gtcaggagat ggaaaaaaaa ctggcgaaac ttgcaaagac aatggatcac ttggagaggg 360

caaaacggca ggaggaagca ccactaatcg aggaggcctt ccagaaacgc ctcgaagaag 420

aaaagatcct tcatgagcaa gagcagctga gag 453

<210> 7697
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024h03b1

<400> 7697

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gcctcatctg accacctcgc tgcaaaccaa gatccgcatc tgccgattag ggtttactac 180

gattggtatt tggtgagcag cttctaaagg ggatgggtac ggtcggcgct tggaggcgag 240

cacaggatgg ttccgtcact accggtgaag ccgtcgagga cctggatcga tctcccatcg 300

ccgccgccgg cggcggcggc ggccagcacg aggctccgaa caccgtgggc acacgggccg 360

cgcccattga cgtcgaagcg ctaggcgacg agaggaggtc gagagctaag ataaagcgcc 420

gtgtggttgt tgtggat 437

<210> 7698
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024h04b1

<400> 7698

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agaggcagag gcagaggcaa agatgggctc caccgcagcc gacatggccg cctccgccga 120

cgaggaggcg tgcatgtacg ctctccagct cgtctcgtcg tcgatcctcc cgatgacgct 180

caagaacgcc atcgagctgg gcctcctgga gaccctggtg gccgccggcg gcaagctgct 240

gacgcccgcc gaggtggctg ccaagctccc gtccacggcg aatcctgccg cggcggacat 300

ggtggaccgc atgctccggc tgctcgcctc gtacaacgtg gtgtcgtgca cgatggagga 360

<210> 7699
<211> 452
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024h05b1

<400> 7699

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gcggagggga agctggcgct gggagacatg agggtgctca agccattggc ccacctgctg 180

gtcgggctgg tgctgtactg ggtggccgag gagatgacgg tgcctgtgct ggtcgacgtc 240

accaccgccg ccctctgccc cggcgacggc agcacctcct gcccggaggc catctacctc 300

accggcctcc accaaacggt tggaggcatt ttcagggctg tgggattcac tctgatgggg 360

cagctcgccg acgagtacgg ccggaagcct ctcctcatcc tcgccgctgg cacctccatc 420

atcccttaca gtgtgcttgc tctgagcagc ac 452

<210> 7700
<211> 268
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024h06b1

<400> 7700

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gccgccgccg ccgctacagc accaatagat agatttatac tataaaataa tgctagaatc 120

agggctggct aatacaccac gtgcaaatag cctgtaccaa taactgagca tgtatgctta 180

cactgtgtat gtatttctac cttctgtgaa ttttttgtga ataccgtttg cccctaaaaa 240

aaaaagaaaa taaaaaaaaa aaagatat 268

<210> 7701
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024h07b1

<400> 7701

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accactgtac catgcggcgg cggagaccaa agaaggacag aagaagaggt ctcacgcctg 120

ggagcgtgta caggttcgac cctcattcag gctaatgttc ctcctcttt ttgcttcagc 180

tggttccgtt tcgaatcaaa aggcctgcag ggtgaccccg atcgccggac gtccacgagg 240

gatcgccgga gttcgtgggg ctacgttttc atcctcgtga acaactgcct ccagtacagc 300

gcttactacg gcgtgtcgac gaacctggtg aacttcctca aggtccagct gcactccggc 360

agtaaggccg cggcgaacag cgtcaccaac tgg 393

<210> 7702
<211> 347
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024h08b1

<400> 7702

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tgctggccaa agtggtgtgt gtgctgtttc tgctttggta acaggaagaa caagaagaag 180

gttaccaagc caaagacaga gaagaagaag aggttgtttt tcaagaagga agaaaatcaa 240

tcacctgcgt acgcactcag tgaaattgac gaagcagctg caggagctga aactcagaag 300

gctggtattg taaaccaaca gaagttagag aagaaatttg gccagtc 347

<210> 7703
<211> 398
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024h09b1

<400> 7703

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tcagattttt gtccatctct cctcgtcaga tccatcggga tcctgacagt cgtgtgtaca 180

ggtgccccgc catgaagtgc ccttccgatt cctcggctgg tcgtgatccc tgggctcctc 240

ctcccgcttc tggcggtggc ggctccagcg agccagccaa gaagcggcag cggacctcga 300

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acgcgagaga ggtgccggat ctgggggagg acgtgatg 398

<210> 7704
<211> 462
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024h10b1

<400> 7704

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cggcgtggcc acccctacac acgggctttc cggcgtgggc gcctttgagg gcgtcgtgat 240

ggagatcatc gtcaccttcg ggctcgtcta caccgtgtac gccaccgccg ccgaccccaa 300

gaagggatcc ctcggcacca tcgcccccat cgccatcggc ttcatcgtcg gcgccaacat 360

cctcgtggcc ggccccttct ccggcgggtc catgaaccct gcacgctcct tcggccccgc 420

cgttgccagc ggcgacttca ccaacatctg ggtctactgg gc 462

<210> 7705
<211> 383
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024h11b1

<400> 7705

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gtgagcggcg gcgcgcccct tgacccatcc gggctgattg ccgtggcgat atgccacggg 240

ttcgggctgt tcgtcgcggt cgccatcggc gccaacatct ccggcggcca cgtgaaccct 300

gccgtcacct tcggcctcgc cctcggcggc cagatcacca tcctcaccgg catcttctat 360

tgggttgccc agctcctcgg tgc 383

<210> 7706
<211> 421
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024h12b1

<400> 7706

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gggtactacg gcctcgacga gcacgcgccc gagaggaagc gccggctgac ggcggagcag 120

gtgcgcgcgc tggagcggag cttcgaggag gagaagcgga agctggagcc ggagcggaag 180

agcgagctgg cgcggcggct gggaatcgcg ccgcggcagg tggccgtgtg gttccagaac 240

cgccgcgcgc gctggaaggc gaagcagctc gagcaggact tcgatgctct cagggccgcc 300

cacgacgagc tgctcgccgg acgcgacgcg ctcctcgccg acaaccaccg actacgatcg 360

caggtgacat cactgaccga gaaactgcaa gccaaggagt cgtcggagct agaggagcga 420

a 421

<210> 7707
<211> 388

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025a03b1

<400> 7707

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gcaaggcgga gctgctcgag ttctgggacc agatctccga caccagcttc gacagccgcc 180

tgcagacctt cttcgacatg gtcgacaagg acgctgacgg caggatcacc gaggaggagg 240

tcaaagagat catcacgctg agcgcggcgg ccaacaacct gaagaaggtc tcggagcagt 300

cgaggagtac gcccggctca tatggaggag ctcgacccca acaacctcgg ctacatcgag 360

ctgtacaatc tggagatgct gctgctgc 388

<210> 7708
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025a04b1

<400> 7708

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cagtgacctt cacgtcgaaa taaccggacc ttttagatga tctggagatg gtgaggagct 120

gagagcacct agagatcggc agtgggggct gtggggcagc aaggacatga ctgtcatgcc 180

gcctgcgcgc catcggcccg cggccaagac gcccatgtgg ataatcgtgc tcctgtccct 240

cgtctgcgtc gtgctgatcg gggcgtacgt gtacccgccg cggcactact cgcagtgcta 300

cctctctgct tctagcgtct gcacgccgtt gaaggattgg ctcccatcca tcggccgccg 360

ggagaaaacc gacgacgaga tcatctcagc cgctgttatc agggata 407

<210> 7709
<211> 364
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025a05b1

<400> 7709

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gatcctcgtt ccatggtgtc gtgacggcgg cggcgctcat ggaccccaag tcccccgacg 180

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agcgcggtgc cggcgaggac gtgcaggaag ttgacatcat ttctgcaatt gagtttgaca 300

aatctggtga tcatcttgcc actggagata ggggtggacg cgtaggtttg tttgaaagaa 360

ctga 364

<210> 7710
<211> 256
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025a06b1

<400> 7710

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aatcaaatta aacaaacaaa tcaaacaaat caaattaaac aaatcaaatt acttttaata 120

tactaatatc cttattaatc aattaattct ttaatcttta attctctttt ctcaaaaaat 180

aaataaataa ataaaaatgt ctcttacacc acctacttct tttgagacct tacctccacc 240

tcctctttct agtagt 256

<210> 7711
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025a07b1

<400> 7711

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agcaagaagc tcagcaaatt gtaaatgctg ctagggctgc taaaacggcg aggcttaggc 180

aagccaaaga agaggctgag agagaaatag ctgagtaccg tgcacaaatg gaggctgatt 240

tccagaggaa gctcaccgag accagcggtg actctggcgc aaacgtcaaa cgccttgagc 300

aagagacaaa cgtaaagatt gagcagctca agcagcaggc agcaaacatc t 351

<210> 7712
<211> 256
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025a08b1

<400> 7712

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atgaaataac tcagctaaga ggctactagc aaaatcttaa gagtacagag acttgttgca 180

cgagtgagtc actgtaccac catgtgtcat aacttggaag tgctcaacga tgttggccaa 240

attctcatag aaagct 256

<210> 7713
<211> 370
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 7713

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gtctgacgct ttaccgtaag ccttcttcat gttttctgtt ttatttttga ttcagtaggc 120

atattgtttt tctaccaatt attaagcaat ttggtgggcg tgataaaaaa acccgagggg 180

tactgatttc tctccgcaat ttatttttctt gagaatcccg cgccattgca aggcatattc 240

tccgcaaaca caagcccggg cttctaggag caggcagcct cgaggagtcg gcgatggtgg 300

atgtatgggt ncgacgntgg atgcccacca gctggagccc gtactcaagc ccatcgtgtg 360

gaactgcatc 370

<210> 7714
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025a10b1

<400> 7714

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cgtgggcccc acgactgcct cctcggcacg ctagcctgcg cctgctcccg ccaaggagca 180

gcagcaacaa cagcggcggc ggcggagggg acaagcccac cacctcgtgg gtcagccccg 240

actggctcac gtcgctgtcc cgctcggtgc tcggccgggg gaacgacgac tcggggatcc 300

ccgtcgcctc cgccaagctc gacgacgtgc agggacctct cgggggcgcg ctc 353

<210> 7715
<211> 314
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025a11b1

<400> 7715

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atcccgcggc ccgccgtcgc tttcggcggc gtcgggagcg ctgggccgtc gccgctgctc 180

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gggagggtgg tcgc 314

<210> 7716
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025b01b1

<400> 7716

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ggcgaggaga tcatgagcgc cgccgtcgcc gagcacggca agggcgccgt gctcgccgcg 180

ctcaacgaga tccaggaccg ccacgacgcc gccagggagg tggagcgcag cctcctcgag 240

ctccaccagg tgttccttga catggccgtc gtcgtacagt cgcaggggga caagcttcag 300

aacatcgagc accacgtgag caacgccagg gactacgtcc actccggcaa caaggagctc 360

ggcaaggtcc gcgagcacca gcgcggc 387

<210> 7717
<211> 196
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025b02b1

<400> 7717

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ctgggatagc tctgctagtt cgtcgacttt ggaaatggcc accaactcga ggtcgaactc 120

cagggccacc ttctccagcg agatccacga catcggcacg gtgcagaact ccaccacgcc 180

cagcatggtg tactac 196

<210> 7718
<211> 174
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025b04b1

<400> 7718

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gagccgatgt caatgcttca gaaaatggca gagttgatgg aatattgtga cctgttagac 120

aaagcagatg aatgtgagga tccacacatg cggatggtat atgcttctac atgg 174

<210> 7719
<211> 195
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025b05b1

<400> 7719

attcgccgcc tcggcagtca cgctttgacg catgacagct aaaacaatga aaattcgcag 60

ggcacgcacc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180

aaaaaaaagg ggggc 195

<210> 7720
<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025b06b1

<400> 7720

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ggaggcgtgc cgttcttcga ggagacgaag aagcagctgc cagaaagata agcaaggaaa 120

catcagctgg tcaagatgac agctggttta cagctcggcg tgatcgggtc tctcgcgctc 180

tccgttgcat cttcagttgc cattgtcatc tgcaacaaag ctctcatcag cacacttggt 240

ttcccatttg ctacaacatt aacaagctgg catctcatgg tgacctactg caccctccat 300

gtggcacaac gcttacattt ttttgagccc aggcaattga tggacata 348

<210> 7721
<211> 401
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025b07b1

<400> 7721

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gacgactaat acaacacctg ctcacgtcgt gactacatct tactgctcga tagtagcaca 180

cttggacaga agctgtgatg gcttaacatg atacaatcgt tgtttatttt ttgggcaact 240

atacatcgtt gttgagctga aatatagatg gctgtgcttt gccaaatgaa ctttatccca 300

tatagcaaag ccatccattt ttacatgcac ttggattctt gtaaccagta aacttgatct 360

tggatcctgt gatgcagtgt actggtctac tacttaaaac t 401

<210> 7722

<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025b09b1

<400> 7722

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ccctcttcct tcttctggcg attagggttg tccccagcgc cgccggccag ctgctggcac 120

cggcgcggta cctcgttcct gccggcgcac cgccggccgc ttccaccccc ccatacacct 180

ccgtcgccag agcctgcccg ctcccccgcc acccctcatc ctgaggactt cctgctagcc 240

cccgccggca agaaagcccg aggaccacca gcttttcacg aggaggccac tgtctccgca 300

tcttccactg tttcgctact gctaccgcct gtctgtcatc tgcgtcagcg gctgcagatc 360

cgccccggca tcatgtcttc agaggagctc aca 393

<210> 7723
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025b10b1

<400> 7723

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gctcctccgg tcggcctccc gcgcgcgcgc ggcctccccg tcgccgctcc cccgcgcggc 180

cccgctccac cgcccgtccc cggccggcta cctcttcaac cgcgccgcca actacgcctc 240

cgccgccgcc gccgccgagg cccccgccga gaagctgccc cccacctccg acaagtac 298

<210> 7724
<211> 435
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025b11b1

<400> 7724

tctccataag cagctgttgg gacagggatg agattgtgtt caatagcatg gacttgtcac 60

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aggtgcttcg ggtgcttgat ctagagggta ctagtaggac atcagatggt actgctagtg 180

taacagatga tgttctggag aagatcgtga agcagtttcg tcgcctcaag ttcatgtccc 240

tgcgtggatg catggaagtc actcgtctcc ctgattcatt gggtgccatg actcagctgg 300

agactttgga tgccaggcac acctccatag tcgagctgcc acctgctatc atcaccaagc 360

tacacaagct tcagtacatt cgtgctggca ccaccaaagc aagacgacta caagcagcaa 420

caagagcagc agcag 435

<210> 7725
<211> 365
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189025b12b1

<400> 7725

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gctccccacc aacgcgcaac tccccaagga gctccaccca gtgttcttcc ttttcgtcgc 120

cgcacctagc gttgcttcca tggcatggac gaggatttgt ggagagttca acgatggttc 180

caagctcctt tacttcgtct cgctattcct ctacgtgtct ttggtggtgc gcatcaacct 240

ctttaggggc ttcaagttct cactggcatg gtgnggcgta cacattcccg atgacgagtg 300

tggccttggc gacggtgtta tatgcatctg aggtagacaa cgtgctgaca cgggcactag 360

cggtc 365

<210> 7726
<211> 356
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c01b1

<400> 7726

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cctccgactc ctgggcgcga tctccctggg cctgggcctc gaggaggact acatcgagaa 120

tgtgctgggc gagcaggagc agcacatggc cgtgaactac tacccgcggt gccctaagcc 180

ggacctcacc tacggcctgc ccaagcacac ggaccccaac gccctcacca ttctcctcat 240

ggacccccac gtctccggcc tgcaggtcct caaggacggc gcccagtgga tcgtccgttg 300

acccccggcc caacgccctc gtcgtcaacc taggcgacca gttgcaggcg ctgagc 356

<210> 7727
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c02b1

<400> 7727

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acgaaaaatg tttcaatcta caaagctcaa gcatctgctc ttgaagctca tgcagccccc 120

aactgcaagg ttttggttgt tgccaaccca gcaaacacca atgctctcat cctgaaggag 180

tttgctccat ctatccctga gaagaacatc agttgtttga cccgcctaga ccacaacagg 240

gcactcggtc agatttctga gagacttggt gtccaagttt ctgacgtgaa gaatgctatt 300

atctggggta atcactcgtc cagtcagtac cctgatgtta accacgccac tgtgaagact 360

tccagtggag agaagcctgt tcgtgaactt gttcaagatg atgaat 406

<210> 7728
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c03b1

<400> 7728

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tcggccagag cacaggatgg cgaccgtccc cgctcccgca gccgagaccg cggcctccac 120

cgcgcgcacg gtgaaggatg tcaaccccca cgagttcgtc aaggcctact ccgcgcacct 180

caagcgctcc ggcaagatgg agcttccaga gtgggttgac attgtcaaga ctgcaaggtt 240

caaggagctg ccaccttctg atgctgactg gtactacatc agggctgcct cgatggcaag 300

gaagatctac ctgaggcagg gaatcgggat cggcggcttc agaagatcta cggtggccgt 360

cagaggaacg gttcacgccc accgcacttt 390

<210> 7729
<211> 263
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c04b1

<400> 7729

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aaggttcttc cattccatgg cttccacggc cctcgcgagc gtgtgcccca tcgcgtccct 120

ctccgggcgc tcgtcgccgg cgagctaccg ggccgtgagg tgctggggcg cgaggagggg 180

gaggcggcgg aggtcggcgg ggctgagggc gaggtgcgcg ggcggccagc cctccgccgt 240

gaagcccggc ccggagagcc ccg 263

<210> 7730
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c05b1

<400> 7730

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acgggtacgg cggacacgtg cagcagcacg gatacggcgg tggccacgcg cagctcgggt 120

accctcctgc cgccggtgcc taccctccgc acggcggtta ccaggcgcac ggctacgcgc 180

cggcggccta cccctctcac ggggcgcacc acggtcacat gggatcgtac cacaccgggc 240

atggcggcgg gcaccaccac ggcggcaagc acggaggcaa gtaccatggc ggcaagca 298

<210> 7731
<211> 235
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c06b1

<400> 7731

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gcttgtgagc ctgaaaggtg ccgaagtcct ctcgaagcta caggtactga atgctggcaa 180

aaataaattg acaagaatcg atgaggtcaa atctatgaca agcctgggag ccttg 235

<210> 7732
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c07b1

<400> 7732

tcggttgttg ttgccttcac aagagaaagg acttggtttt gtatttcagg catgctttca 60

atgcactttc taaaagaggc ggtatatttg tgatggatgt atatggtggc acatcatctg 120

aatgcaagct tcgtctccag aggagattcc ccagcttcac ttatttctgg gagcaagaag 180

agtttgatat cataactcgt gaaacaagga tcagcctcca ctttcaagtt ggaaagaagc 240

aaatgatacg gcatgctttc acgtaccatt ggcgcctgtg gtcgatacca gaaatcaagg 300

actgtttgga ggaagctgga tttaagtcca tccacgtctg ggtcagggag atgccggaca 360

ccaaatcaag cggaaacgca aaggagtaca 390

<210> 7733
<211> 316
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c08b1

<400> 7733

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ggatggcgaa gcacccgtcc gccctgggca agttcgagga gatcgtggcc gcgtccaagg 120

ggaagcagat cgtcatgttc ctggactacg acggcacgct gtcccccatc gtcgatgacc 180

ccgacgccgc cttcatgagc gagacgatgc ggatggccgt gcgcagcgtg gccaagcact 240

tcccgacggc gatcgtcagc ggtcggtgcc gcacaaggtg tttgatttcg tgaagctggc 300

ggagctctac tacgcc 316

<210> 7734
<211> 306

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c09b1

<400> 7734

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gcggctggcc ggaacgcttc ttcttaacgg tttccttctt ttcggctttc tttttctttt 180

ggttggggtt ggcaaggttc ttcttttacg gcggcggcgg ggccttgggc ggccgccgcg 240

gggttgcaac ggccaagttg cttaaaagca gggggtccgg caacggcggg aacaagaagg 300

aaggcg 306

<210> 7735
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c10b1

<400> 7735

tctgggcgcc gtgcacacct acgcggaggt gtcagagctc tcccgccgct gcgcggcggg 60

gctgcggcgg ctcggcgtgg ggaagggcga cgtggtcatg aacctgctcc gcaactgccc 120

ggagttcgcc ttcgtgttcc tcggcgcggc ccggctgggc gccgccacca ccaccgccaa 180

cccgttctgc acgccgcacg agatccaccg ccaggcgagc gcggccgggg cgcggctgat 240

cgtcaccgag gcctgcgccg tcacaaggtg cgcgccttcg ccgccgacgc gggatccccg 300

tggtcaccgt cgacgggccg gcctccgacg acggcggctg cttcgcgttc gacgaggccc 360

tgctgcccgc ggagccgctc gccgccgaca gcaggtcgac ccga 404

<210> 7736
<211> 274
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c11b1

<400> 7736

tcttgagttt gtatactcga taaattaagc gggcgcggtg tgcgcgctcg cggcggtgtg 60

ggcggatgtg acgttccgcc tcgggcgcga ggcgtacggc ggtcaccgca gcccgccggg 120

gctgacgggc tacggcgtgt gcacgtgcgt gctgcacgcg ctcatgcgct ttgtgccgcc 180

tctgcgcacg tccgcggtgc tgaaccgcgc gttcatcgcc gacccgcact gtgcggtgac 240

cgtcacagcc cccggctgca cccccggtgt ggac 274

<210> 7737
<211> 182
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c12b1

<400> 7737

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cctcccgttg ccgcagcagc aagagaatgg gcagcgtcga cgcctccgag acgacggtca 120

ccgggtgggc cgccagggac gccaccggcc acctctcccc ctacagatac accctcagga 180

aa 182

<210> 7738
<211> 260
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025d01b1

<400> 7738

tgttcaacga catgagcggc aaccacgtcg gcgtcgacgt caacggcctc aactccgtcg 60

acgccgacaa cgccggctac tacgacgacg gcaccggcgc cttcaggaac atcagcctgg 120

tggaccgcaa gcccatgcag gtgtgggtgg acttcgacgg ccggaccatg caggtcaacg 180

tcaccatggc gcccctgcag gtggcccggc ccaagaggcc cctgctctcc gccaccgtca 240

acctctcctc cgtcatcgac 260

<210> 7739
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025d03b1

<400> 7739

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ccatggaatt gaagataaca tgggaggagg ctcaagaatt gcttcgccct cccctgaagg 120

ccccttcggt tgttattgtt gatggccatg agtttgagga atatgaggag ccaccagtac 180

ttgggaggaa gacatatttt gtgactgacc aatcaggtga gaatcatcag tgggctcagt 240

gtgaggattg ttccaaatgg cggaaactgc caatagacgc ccttttaccc tctaagtgga 300

cctgctccga caataaatgg gatcctgaaa ggatgaactt gtgtctctcc acaagaggca 360

agcatggagg aacttgcaga actgatt 387

<210> 7740
<211> 295
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025d04b1

<400> 7740

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gttctgcagt cccttaggct catcgtcaat agccccaagc acgtccggct ccgcagcaaa 120

agcctcatgt gcgcgctcgt tgggctatcc acggtggagg agttgaccgt ggtggacacg 180

ccgctcctgg cgcggttttg ttggtccggg cctggtaagg gggggaggat caggatcgtt 240

tgtgctccca acctgcgggc gctcggttac ctggacacaa gagttctcaa gctgc 295

<210> 7741
<211> 507
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025d05b1

<400> 7741

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agagatactc accctggaca tttctacgac cagtgtactt tccaggggac tgttccatca 180

aagccatcta gcatctatca tagttttaaa cataaacgct ggctgcaagc atcttgttgc 240

cgcagaggga ctccacacct ttacttctct ccaaaagctt cagctgtgcc actctgacat 300

atcagatcag aatttggaaa gtcttcttca ggtgctgccc tctttgtact cgtttgagat 360

gatagatctg cccaacatga catctctggt gccagcaaat aatagtttgt gtacaacagt 420

cacagagttg caaatatcca actgtccact gctctcttct gtagtctcct tgagtacttt 480

tgtttcactg aaacgtttgg tgattga 507

<210> 7742
<211> 326
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025d07b1

<400> 7742

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tgagaagaga tggctccggt gaagctgtac ggcgcgaccc tgtcgtggaa cgtcaccagg 120

tgcgtggcgg cgctggagga ggccggcgtc gagtacgagc tcgtccccat caacttcggc 180

accggcgagc acaagagccc cgaccacctc gccaggaacc cctttggcca ggtgccagct 240

ttgcaggatg gtgacttgta cgtcttcgaa tcacgtgcta tttgcaagaa tgcgtgccgc 300

aagaacaagc cagagctgtt gaagga 326

<210> 7743
<211> 302
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189025d08b1

<400> 7743

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aatcaggagg caattccaat tatttaatga ggtccaagat tgtgatatgg ggtgaaggta 180

ccactaacag ttgccaagat taatctcgtg tataggagct taggatcttc aatggtctca 240

acttcgacga ttttataggt gcctgttact ggcttgcaga tnggcgtgcc acgtatatta 300

ca 302

<210> 7744
<211> 261
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025d09b1

<400> 7744

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ccagaccatc agcttccccc aaattcccca cgccgcgccg agccgccgat cgaaccgcag 120

aatctcgagc gccgcccgcg atgccgaaga agatgggcgt caactccaag gcggaggcct 180

gccgcgagcg ccgctccgcc gaggagtcgg accgtcgcca gcgcgccgag cgcgccaagg 240

agggaggagt actggcgcga g 261

<210> 7745
<211> 431
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025d10b1

<400> 7745

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cacgcgccct gggcctgcca ccaccttgcc ggctgctgct ggtgctgatc ccgtggatgt 180

ccggtgcgcg atccgtgccc atggacgcga gatggctgaa gacgaggagt ccgcttgcca 240

ccaccgcaag cgcccggctt ccaaggctcc aatctgcctg cccgccactg ctgctgcgcc 300

tgtgaagaag gtctctcgtc aggtcgcttc aaggcttgct ctttcgtcgg ctctacacca 360

ctgcctgcca ctgctgctgc gcccagtgtg caaccgaagc cgcagatcag catgcgcgaa 420

ctgatcgaga a 431

<210> 7746
<211> 299
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025d11b1

<400> 7746

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gatctgaagg cttccgtcta cttcaaccag ggctgcctcc gatggtcctg ctttcggcgg 180

cctttgtcgt cggagttgta ccggtttggc ggctggaggt gggaaggtgg ctccggagaa 240

atccgaggcc agcagtgctg gtcacgacgg cggcgacgcc cgagggcgcc gtacccttc 299

<210> 7747
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025d12b1

<400> 7747

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ccgcatgggc ctcaacgtgg cccgcgaggc cttcgacgac acggcgggcg cggcggagca 180

catcgcggcg cacgcgctcc gcgacacggc ggccatcgcg tcggcgcgcg cggcggagct 240

gtacggcctc caggtgctgg cggacggcgt gcaggacgac gccgggaacg tgacccggtt 300

cgtgatgctg gcgcgggagc ccatcatccc gcggacggac cggccgttca agacgagcat 360

cgtgct 366

<210> 7748
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025e01b1

<400> 7748

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ctttttgggt tcatcagatt tggaggatgt cttgcaactg tggatccggt tgcagctgcg 120

gctcagactg caagtgcggg aaggtgtacc ctgatctgac ggagcagggc agtgccgccg 180

cccaggtcgc cgccgtggtc gtcctcggcg tggcgcctga gagcaaggca ggtcagttcg 240

aggtggccgc cggccagtcc ggcgagggct gcagctgcgg cgacaactgc aagtgcaacc 300

cctgcaactg ttaagctgca 320

<210> 7749
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025e03b1

<400> 7749

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tcatctgttc catccttttg aggctgagat ggcggctacc ttcaatgtta atgctgaggc 120

aggccttaaa aagcttgatg gctaccttct gtctcgcagt tacatctctg gataccaagc 180

ttccaaggat gacttggctg tgtattcaga gttctcagtt gctccaccat caacttgcac 240

caatgttgca aggtggtaca atcacattga tgcactcctg aagctgagtg gagttactgc 300

ccctggcaag gtgggaaggt tctgtcataa gttgtccctg aaacctcaac tactgatgtt 360

gctgaggctc ctgcagctga tgatga 386

<210> 7750
<211> 447
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025e04b1

<400> 7750

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ttctcggtgg aagggagcga ggaggcagag agttcgatca gagaaagcaa ttgtgcaatc 120

tctttcttca ggtaagtgat accctgacaa cagtttgata ctattgttgt atttgattcc 180

tttcgcttca gttacaggct ataactatcc tgcaagatgg tgggacgaat cagaagtcca 240

ccaaccgctt gcacgtgtca tgcgtgtttg tcggaacaga tctgcagcta cccctatcct 300

ctccatatca gagaaagatg gatcggtcgt atgtacacca agctggatca acagagctta 360

ctacgttgca ttaaccaata cctttgtggt cgtcaactga aatggattat ttttttcaag 420

tattatttca tggattactg tttgcta 447

<210> 7751
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025e05b1

<400> 7751

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ggcaccggcc acccctgtga agacggtgga cgtgcagacg gcggcggcac cggacgtggg 180

ggtgacggca gtggacgtgc agacggcggc ggcaccggcc gtgggggtga cgacggtgga 240

cgtgcagacg gcggcaacgc cggccgtgga cacgaagacg gtggcgacac cggcggtgga 300

agtgacgacg gtggacgtgc agacggcggc gagggagcag caggacggca tgatgtacct 360

ggacgtgagg acggagga 378

<210> 7752
<211> 520
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025e06b1

<400> 7752

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gactggttct acggggtgct ggcctccctt ggcctgtggc agaaggaggc caagatcctc 240

ttcctcggcc tcgacaacgc cggcaagacc actctcctcc acatgctcaa ggacgagcgg 300

ctggtgcagc accagccgac gcagcacccc acgtccgagg agctcagcat cggcaagatc 360

aagttcaaag ccttcgacct cggcggccac cagatcgctc gacgggtctg gaaggactac 420

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gaatcgaaaa aggagctgga tgctctcctt tctgatgatt 520

<210> 7753
<211> 428
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025e08b1

<400> 7753

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atctgttccg caagaccatg ggaccagtga agaaggccat ggatgatgct ggtctcgaga 180

agacccagat ccatgagatt gttcttgttg gtggcagcac caggattccc aaggtccagc 240

agctcctcag ggactacttt gacggcaagg agccaaacaa gggtgtgaac cctgatgagg 300

gctgttgcct tcggagctgc agtgcaggga agcatcttga gcggcgaggg cggtgacgag 360

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ggagtcat 428

<210> 7754
<211> 279
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189025e09b1

<400> 7754

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ccgccgcgga gcacggcgtc ccgcggctgg cgttcctcgg caccagcatg ttcgcgcggg 180

cctgcaccga cagcatgctg cgcaacaacc cgctggcgtc ttgccccgac gccgtcgtct 240

ccctgccggg gctgccganc cgcgtcgaca tgttacgga 279

<210> 7755
<211> 422
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsrow189025e10b1

<400> 7755

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gccgacgagg acgacggcga cgacgacggg gagcaagagg agagctgcgg ctgcgacggc 180

gccgaggcgg agcgcgaggc cggaggcgtg gacatcgccg aggagagcct ggacgccgcg 240

ccgtacaagc tgcggcggcg gaactcggag acgatgcgcg cgcagtacat cagcaccaag 300

gagctcagga tctgcattgg cacgtacaac gccgccggca tagagccgcc ggaaggcctc 360

gacatgncga gtggctcggc accaccggcg gcgagcaggc cgactggtac gtgttcgggt 420

tc 422

<210> 7756
<211> 504
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025e11b1

<400> 7756

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cgaggcggcg aaggtggtgg tgccggagtc ggtgctcctc aagaggaagc gggaggagct 120

ctgggccgcc gagaagaaga ccaaggccgt cgaggagaag aagaaatcca gcgagaacgt 180

caaggtcatc tacgcccgcg ccaagcagta cgccgaggag tacgatgccc aggacaagga 240

gttggttcag cttaagcgtg aggcccggat gaagggtggg ttctatgtca gtcctgaggc 300

taagctgctg tttgttgtca gaatcagagg tatcaatgcc atgcacccaa agaccaagaa 360

gatcttgcag ctgttgcgtt tgagacagat attcatggag tgttcctgaa ggttaacaag 420

gccaccatca acatgctccg cagggtcgag ccatatgttg catatgggta cccgaacctg 480

aagagtgtga gggagttgat ctac 504

<210> 7757
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025e12b1

<400> 7757

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cgcgcctccc ctccaccgct cctcctacaa gaacccccct cgcctgcctg cgctgcagcc 180

tacgccggcg agtcaacctc tctctcatct tcgggtcggg ggatctcgcg cgctcctccc 240

ggaatcaggc gccggcggtc ggagggacaa agacacggac atggagggcg gtcgcggcgg 300

ccggtg 306

<210> 7758
<211> 276
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025f01b1

<400> 7758

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gaagcagtgt ggagcacgct gctgctacct ggtcatgctc tcagcagtgt gaatctccag 120

aagcatgctt gccgtgcctt cttccgggtg caccggaggc tggcatgtga gcaggggtgc 180

ttcagtgacg cagaagaaaa aaggcaagtc ttatcggcag ggaaggctac gcctttcttc 240

caggtctccc tctctccatc taaatctgtg tttgga 276

<210> 7759
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025f03b1

<400> 7759

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gaaatggggt ctgtgccgga ggagtcggtt gcggcggcgc cggaggtggt gttccggtcg 180

aggctgccgg acatcgagat ccccaacgag cagacgctgc agagctactg cttcgccaag 240

atgtccgaag gtggggtccc gcccctgcat catcgacggc cagacgggcg cctcctacac 300

ctac 304

<210> 7760
<211> 383
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025f04b1

<400> 7760

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accggcgggc gcatcgtggt ggggtgcatc ccgtaccggg tgcgcgcagg cggcgacggc 180

gacggcgagg gcgagctgga ggtgctggtc atcagctcgc agaaggggca cggcatgatg 240

ttccccaagg gcgggtggga gctggacgag tccatggacg acgcggcccg gcgcgaggcc 300

ctggaggagg ccggcgtccg cggcgagatg ggcaaggtgc tcggctgctg gcactaccag 360

agccgccgct accagaccac cta 383

<210> 7761
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025f05b1

<400> 7761

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cgcggttcct gccgacgagg ccgctgcggg acgacctgcc caccttccag ggcggcgggg 180

gcggcaaggg ggaggagagc cacctcatgg gcctgcggaa gcgcctctcc agcttctccg 240

gcaagatcca gcccatctcc tccgcgtccg ccgagtgggc gttccggcgc acccggtcgg 300

cgcgttcgct ggccgccgag ttcgccggcg gcccgctcaa gcgctggtgg gactggggcc 360

tcggctggct gctctccaag aagctcggct tcgccggcga cctggagatg aacg 414

<210> 7762

<211> 469
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025f06b1

<400> 7762

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tctgccacgg cttgtctgcg cacaggccgc caatgccaac ccgctgtacc gctactacaa 180

gtcagggtgg acacaattcc agccacaggt ggctgagcca acatttgcgt cggcgattca 240

gatcggtgac cctgtatcgg tcgaccgtgc ggtggtcgca ctcaaggcaa caaatggcat 300

cgtcgcagag gccacggagg aggagctcat gaatgcaatg tccctcgcag accgcaccgg 360

catgtttgcc tgcccgcaca ctggggtcgc gctcgcggct ctcttcaagc ttcgggaaga 420

gggcaccatc ggggcaaatg accgcacagt gtgtcgtcag cacggcgca 469

<210> 7763
<211> 294
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025f07b1

<400> 7763

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actcttctca caaggctatc aatgagtaca aggaggctaa ggcgcttggc gttgataccg 120

tccccgtact tgtcggacca gtctcatact tgttactctc aaaggccgcc aagggcgtag 180

agaaatcatt ctctcccctt tcccttctta gcagcatcct tcccgtctac aaggaggtta 240

ttgctgagtt gaaggcagct ggcgcttcat ggattcagtt tgatgagccc accc 294

<210> 7764
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025f08b1

<400> 7764

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agtcactgaa ataggcaatg acaagacgat cttgaagaag atcctccagg agggtgaagg 120

ctatgatcgt cccaaagact gttcaactgt caaagtgaaa cttattggga agttggatga 180

tggcaccatg tttgtaaaga aaggtcatga tggtgaagag ccattcgagt tcaagactga 240

tgaggatcag gtgattgaag ggcttgacaa agcagtgctt agcatgaaga aaggagaagt 300

tgcctttgtg actattcccc cagagcatgc atttggatc 339

<210> 7765
<211> 251
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025f09b1

<400> 7765

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tggtggcgcg gcaggtgccg ggcagctacg gcctgccgtt cgtctcggcc atccgcgacc 180

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acggctccac c 251

<210> 7766
<211> 453
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189025f10b1

<400> 7766

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gattgagcca accagtggca acacaggcat tgggctggcc ttcatggctg ctgccaaggg 300

ttacagactt gtactcacaa tngcccgcat catgagttgg agaggagaat catcttgaag 360

gcttttggtg ctgagctggt cctcaccgac ccactcttgg gaatgaaagg agctgtccan 420

aaggcggaag agctggcagc aaagacacct aac 453

<210> 7767
<211> 525
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025f11b1

<400> 7767

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ccctctccct ccaagtccag ccccctctcc tcacccccc tcgccggagc gcgccgcatc 120

gcctccattt ccttctcttc cgtcagcgtg tgtggcgtct tgcgtccccg cggcggcgtt 180

acctcgtcgg tcaccgccgc agcagcggcg ctcggcgagg ccgcagagcc cgggtctgag 240

gccatattgc tcagtgttca gggcatgatg tgcgacgggt gcgctgcgag tgtgaagcgg 300

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<210> 7768
<211> 451
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189025f12b1

<400> 7768

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ccctttgact gactggaatt attgatacgc gtagaaatct ctctcagcct tcaattttct 120

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ggccacgaac gtgggtctgg aggagatctg agcctcctcc gtgaggaagg aaatttgcta 240

agtccaccta agatttcatc gacgatcact tcgacacatg agatgaaggc aagaagcagc 300

ttctacgctc agtgacagct cggtccttcc atcccattcc caggtgaaga tcaatggcta 360

ctactagtag tacggctggn ggatctcacg gcagttctcg gccctgctat cctcggcggt 420

ctggaatggg tgctgatcct gctgatgctg c 451

<210> 7769
<211> 299
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025g01b1

<400> 7769

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gcatctgagc cgggagcagg ggatcctctc cgcgctctgc tcgccgcacg tcgtcggctg 240

catcggcggc ggtggcgacc gcgacgggtc ctaccacctc ttcttcgagt tcgccccccg 299

<210> 7770
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025g02b1

<400> 7770

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gagaccaaca gttccactgg aggcatgctt agcaagtttt tcaggccgag aggaagtgcc 180

tgatttttac agcactgcat tgaattcaaa aacaacatca attaagactg ttggctttaa 240

aacttttcct gattacctgg tgcttcagat gcgtaagttt gtaatggaag caggatgg 298

<210> 7771
<211> 106
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025g03b1

<400> 7771

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ttatatgccg atcttcttct ggtacttctt gattcaaatc cagcgt 106

<210> 7772
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025g04b1

<400> 7772

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agaagaagaa gtgtggagca cgctgctgct acctggtcac gctctcagca gtgtgaattc 120

ccagaagcat gcttgccgtg ccttcttccg ggtgcaccgg aggctggcat gtgagcaggg 180

atgcttcagt gatgcagaag aaaaaaggca agtcttatcg gcagggaagg ctacgccttt 240

cttccaggtc tccctctctc catctaaatc tgtgtttgga ggaggggget acggttagtt 300

tacccaccgg tttactgcgt ccttgtgagt ttgtgatcat tatc 344

<210> 7773
<211> 305
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 7773

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cacctacggc gaccaccaca agcttctgct ggcgtacttg gggatcccgc ggtacgaggg 180

cccggaggtg gacccggcgg cggcggcgcg cgacgcgagg gagctgtacc gcgccggcga 240

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gcacc 305

<210> 7774
<211> 377

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025g06b1

<400> 7774

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ctgtaatcgc cgttccaaaa gagagcagtt tagaaaggtt gtcggtggcc caagctctga 360

tcttcagcct gcatcta 377

<210> 7775
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025g07b1

<400> 7775

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gcgtcgccgc gccgcccggt gcccgtgccg tccagtgcgc gcagtgctgc tgcgtgaccc 180

gcgtcggcgg ggctggccga cagctcagtg tgatgcgccc catcccgaac ttcggcggtg 240

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agctgagggg ccccataacg acgtcaagt 329

<210> 7776
<211> 338
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 7776

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aaagacgttg gaggcgcagg tctctgagct ggaggagaag aacaataagc tggagaagca 120

catcccgacc tacgactgcg aggaggacgt gccgcaccag cagaggcggc agagggccaa 180

ggtccagatc accaaggcgg cgtcggacga ggtggtgaac ctgacggtga tggtgatggt 240

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agcaggtcag cgtcatgtcc gtcgacgccg acacctac 338

<210> 7777
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025g09b1

<400> 7777

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gcaacggggc agtggagact ttggtgaaga cctctcacca agttatctcc aaggccaata 120

gtaaattgga taataatggc aatggcaaca gcaatggaag tggcactggc agtagcagag 180

ctggggaagg ggtgggtgga gacagtctct agcacattgg cagtgccaag caacaggaat 240

tttgtgcttg atgttactgg gaggggtgac atttgagac 279

<210> 7778
<211> 354
<212> DNA
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<223> Clone ID: uC-tsrow189025g10b1

<400> 7778

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gagtacgagc tcgtccccat caacttcggc accggcgagc acaagagccc cgaccacctc 180

gccaggaacc cctttggcca ggtgccagct ttgcaggatg gtgacttgta cgtcttcgaa 240

tcacgtgcta tttgcaagta tgcgtgccgc aagaacaagc cagagctgtt gaaggagggc 300

gacataagga gtcagaatgt ggatgtgtgg tcgaggtgga ggccatcagt acac 354

<210> 7779
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025g11b1

<400> 7779

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tgacccctttt gccgaggcga atgctgggga cgctggtgca gctgccggat caaaagacta 120

cgttcatgta cgcatccagc agcgtaatgg tcgcaagagc ctgaccactg tccagggtct 180

gaagaaggag ttcagctaca gcaagatcct caaagacctc aagaaagagt tttgctgcaa 240

tggtaccagt tgtccaggac acagaacttg gacaggtcat tcaactccag ggtgatcaga 300

ggaagaacgt ctcaaacttc cttgtccagg ccggcattgt gaagaaggaa cacatcaaga 360

ttcatggttt ctgagcaact gccagctcca tatcagagtc tacatgc 407

<210> 7780
<211> 515
<212> DNA
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<223> Clone ID: uC-tsrow189025g12b1

<400> 7780

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ggcatcgacc tcggcaccac ctactcgtgc gtcggcgtgt ggcagcacga ccgcgtcgag 180

atcatcgcca acgaccaggg caaccgcacc acgccctcgt acgtcgcctt caccgactcg 240

gagcgtctca tcggcgatgc cgccaagaac caggtcgcca tgaaccccat caacaccgtc 300

ttcgatgcga agcgtcttat cggcagaagg tttgctgatg cccctgtcca gagtgacatt 360

aagatgtggc ccgacaaggt tattcctggc cctgcagaca agcctatgat tgtagtgcag 420

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cgtgagatcg ctgaggctta cctaggagta actat 515

<210> 7781

<211> 224
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025h01b1

<400> 7781

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ccagccccag atccgaaccc ccgcggcgcc ccgccattgt cgccgtcccc gacctttccc 120

cggcagggaa tggtgcactg tgggcggcgg taggcagaca cgagcacgac cgcgggggca 180

agaagcggcg gcggcgagat ggccggcgcg gagagggaga ggag 224

<210> 7782
<211> 299
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025h02b1

<400> 7782

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tccatgagaa gaaagccgca atggacttgg atggaaaaga agtgtctaat gaggaaattg 120

tgagaccaag agtcccactg gaggcatgct tagcaagttt ttcaggcgga gaggaagtgc 180

ctgattttta cagcactgca ttaaattcaa aaacaacagc aattaagact gctggcttta 240

aaacttttcc tgattacctg gtgcttcaga tgcgtaagtt tgtaatggaa gcaggatgg 299

<210> 7783
<211> 324
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189025h04b1

<400> 7783

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catcggcatc gacctcggca ccacctactc gtgcgtcggc gtgtggcagc acgaccgcgt 180

cgagatcatc gccaacgacc agggcaaccg caccacgccc tcgtacgtcg ccttcaccga 240

ctcggagcgc ctcatcggcg atgccgccaa gaaccaggtc gccatgaacc ccataacacc 300

gtcttcgatg cgnagcgtct tatt 324

<210> 7784
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025h05b1

<400> 7784

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tgggcggcct cgcctgggcc accgacgacc acaacctcca gcaggccttc agccagtacg 180

gcgagatcct cgacgccaag atcatcaacg accgcgagac gggcaggtcc cgtggcttcg 240

gcttcgtcac gttcggcagc gaggagtcga tgcgccaggc catcgaggag atgaacggca 300

aggagctcga cgggcgcaac atcaccgtca acgaggccca gtcccgccgg tccggcggtg 360

ggggcggcgg cggcggc 377

<210> 7785
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025h06b1

<400> 7785

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aattgatcgg cataggcatt gcacagagca tccgataaaa tttatatcag tgaggcaacc 180

aaatgtcgtc aaatttaaga taaaaccagg gtcagattct ggtgcttccg acagccgagg 240

aaaaagaatc tcttccttgt ttcacccatt tttcccgctt gcactgtcga ttcagcagac 300

aaatatgcag ccaactgttg tcaatgtaca tttcaggaga tagaaatat 349

<210> 7786
<211> 317

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025h07b1

<400> 7786

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ccggccctgt ggcagaagat atgttccact ggcaagcaac gatcatgggc ccatcggaaa 180

gcccatatgc tggtggtgta tttttggtta ctattcactt ccccccagac tacccattca 240

aaccaccgaa ggttgcattt aaaacaaagg ttttccaccc aaatatcaac agcaatggga 300

gcatctgcct tgatatc 317

<210> 7787
<211> 271
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025h09b1

<400> 7787

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gcaaggtgct cgtctcctac tgctacgtcg cggtgtggat cttcctctcc ttcaccgtca 180

tcgtctacaa caagtacatc ctcgacccca agatgtacaa ctggcccttc cccatctcgc 240

tcaccatggt gcacatggcc ttctgctcct c 271

<210> 7788
<211> 368
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 7788

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cctaagaaca acggcatccc gtggcgcggg aactcgggca tgaaggacgg cgcggacctg 180

ccggacgtga agggcgggct cgtcggcggg tactacgacg ccggcgacaa catcaagttc 240

cacttcccga tggccttctc catgacgctg ctgagctggt cggtggtggg agtacgccga 300

caggtacaag gcgatcgngg agtacgacca cgtgagggag ctcatcaagt ggggaaccga 360

ctacctgc 368

<210> 7789
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025h11b1

<400> 7789

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tctgtccggg gttaattaga gctggttacg cgaggaagaa acaacatgtg ttatctttca 180

gtcttggtcg gtcggtcgtc ggtgatgcag caatcccttc tgtcatggat tgggatgtga 240

tgttggaata tcctatgttt gaactcggtt taaatggaag aaaatgcaag tcgtcatagc 300

tgcg 304

<210> 7790
<211> 407
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 7790

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ggatccacat aaagctacaa tgtcatatgg atctgaaaat gaagaggatc cacataaagc 120

tacaatgtca tatggatccg aacatgaaga ggatccacat aaagctacaa tgtcatatgt 180

attagaacat gaagaggatc cacataaagc tacaatgtca tacgggtcag aacatgaaga 240

ggatccacat aaagccacca tgttatatga gtcaggacat gaaatggatc taaagacatt 300

tttaacagga catgcgacac atttaaaagg aatgnggagt caccatgctc actctcacaa 360

gcacgggaac aaaaagcagc aagacgtttt cttcttcacg acatgtt 407

<210> 7791
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026a01b1

<400> 7791

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ccccggctcg ccggacctgc ccttcgccga cctcattgcg tcgctgtcgg agccgctgcc 180

tgaggtggcg agccagagcg cgttccggga gtaccgcggc gtcgggctgg agcttccggg 240

gacggcgcgg ggagggacgg ggaacgggat caacatccac cggaggatga tgggcgtgct 300

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gcagcagcag gc 372

<210> 7792
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026a04b1

<400> 7792

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ttcaacacat gatactattc atcccaaaag tccatgactt tgtccttttg cacagatcgc 120

atctcaagat tagaaggaaa tcccctatgt tcaaaagtca atgatacata ctgttcaaat 180

aagaaaaaga acaccacatc tactgtgctc atcgccgtga tagttcctgt ggtactgata 240

tccctcctag tagttatgtg cataatctgg aagttatgct ggaaaggaga gccaagagtc 300

catgaagatt at 312

<210> 7793
<211> 334
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026a05b1

<400> 7793

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aagagctcga gctcgagctc gacctcctgt cccttccggc agtaggggga aagcagaaaa 120

tggacgcggc aggtacctcc aagagaggtc gtcgtcctcc taccaagcca cagaagctca 180

agttcaagcc gaaagtgccg tcgcgcaagc caaagaaacc acctgcacaa aagccacaac 240

tggaagagac ataaccaatt gatgaagagt taatgaagac actgaggacg ggacgaggag 300

atgcaaaaac tttgcgagtt ataaaagatg agca 334

<210> 7794
<211> 143
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026a06b1

<400> 7794

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tcaccggcaa gatcatcacc ttggaggttg agtcattcga caccattgac aacgtgaagg 120

caaagatcca ggacaaggag ggc 143

<210> 7795
<211> 230
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026a08b1

<400> 7795

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atcagctcgt ccacaagatc gtgtctggtg gctttgactg tgtcgtcaag gtgtgggagt 180

ttgtcaatgg tggctggaag ctggagagcg ctctggtctc cgacatgcac 230

<210> 7796
<211> 333

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026a09b1

<400> 7796

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tccgccctcc ccgccgccaa gccccgccgc ttctcccatg gcctcgccgc cgtcgccgcg 180

aaccctaggg cctcccgctc cgccgtcctc cgccccgtcc gcgcgtgcct ggcggcgccg 240

cggcggcccg gagtacgtcc cggaccgaat cgacgacccc aactacgttc gcatcttcga 300

caccacgctc cgcgacgggg agcagtcccc ggg 333

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<211> 197
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026a11b1

<400> 7797

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tcgggctcta cacgcgcacc ctcaaggaga tcgaggccgt ccccaaggac gagggctacc 120

gcaaggccgt cgagtccttc acccgccacc gcctccagat ctgccaggag gaggaggact 180

ggaagcgcat cgaggac 197

<210> 7798
<211> 191
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026a12b1

<400> 7798

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caaattggat ccgtcactga gagtatcgag gctgtgaaga tgtcaaaaca tgctggctgg 180

ggtgtcatga c 191

<210> 7799
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026b01b1

<400> 7799

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acggtcagct ccgccacgct caccaacctc accgtggccc ccgacaacgc caccgtctcc 120

taccgcctca ccgtcgggct cgagctctac aaccccagcc tccgcgtccc catctactac 180

gacgccctcg acgccgagct ccgcgccagc ggcggggcct tcctcggcgg ccccgctgcc 240

cgcgtcgcct cgtcgccggc ggagttcctg cagcgcaaga agagcgccga cacggtcagg 300

ctgggagttc gacgggagca g 321

<210> 7800
<211> 194
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026b02b1

<400> 7800

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ccaccccgcc ggcgaagatg ttcggccgcg cccccaagaa gagcgacaac accaagtact 180

acgaggtgct cggg 194

<210> 7801
<211> 115
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026b03b1

<400> 7801

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ccctcgtaaa tgaatttgac caaatcaaat cgatctccgc tttcaaaaat gttca 115

<210> 7802
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026b04b1

<400> 7802

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ctctccccgg tttttcccca aatccgacgg actcgaggcc aagcggaggc ggagatggcg 120

ctgcggtggg cgctgctcag atcggcggag atctctcccg gtcgcaaggc tgcacttgag 180

tacttgcatt ctctatcaaa ggcac 205

<210> 7803
<211> 201
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026b05b1

<400> 7803

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tgcgggaaga tgtaccctga tctgacggag cagggcagcg ccgccgccga ggtcgccgcc 180

gtggtcgtcc tcggcgtggc g 201

<210> 7804
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026b06b1

<400> 7804

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tgtgaatctc cagaagcatg cttgccgtgc cttcttccgg gtgcaccgga ggctggcatg 120

tgagcagggg tgcttcagtg acgcagaaga aaaaaggcaa gtcttatcgg caagggaagg 180

ctacgccttt cttccaggtc tccctctctc catctaaatc tgtgtttgga ggagggggct 240

acggttagtt cacccaccgg tttactgtgt ccttgggagt tgtgatcatt atcatgcact 300

cgtcagttgc ttgacatgta tggtgtccgt tcttgaattt tcagctacat ataatggtc 359

<210> 7805
<211> 290
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026b07b1

<400> 7805

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gcgtcagtgc gcctgacctc gcggcgtcgg gcgtggaccc caggccgctg cgcgaggtgt 240

ccgacgttcc gcgactacac caagccgctg ctggacctcc tggagtgcct 290

<210> 7806
<211> 347
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026b09b1

<400> 7806

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gggctattcg gctggcggtc gacggggaag gaagacgcgc gcatactcca aggtccggga 240

cgtggcgagt gacacgtcgt cttcagggag cgcaaggggt agcccgtgcg ccgagcccgc 300

ttgagctcga cccaccgctg gccggtgccg gcgccgggtg gtgagac 347

<210> 7807
<211> 290
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026b10b1

<400> 7807

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cgctgggcgc gtggacgccg taccgggcgc cggagcggcg ctgaagcgcc cgtctgcgcg 240

tgcaatgtag agcacgcacg tgtaaaccgt gtggctgtgc gagagcctac 290

<210> 7808
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026b11b1

<400> 7808

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acgagataaa agatagaaaa gatatgctta aaaccctgag tgcactagag gtcctctatg 180

agcttgcgga gcaccctcac agcaatatgt tcttgttaaa gaccagtttg cttcaacaca 240

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tcagtgggag 310

<210> 7809
<211> 270
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026b12b1

<400> 7809

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atcatcagtg ctctgaagag cagccgcaac ggcaccagtt ctatcttggc catcttctcc 120

aagattcagg attttcaaat tcttaccact gacgaagttg aagaggttat ggtattcatt 180

cctttgtata tttctgaaga gatgttcttg gtcattcttt agcttgacca ggagatcaaa 240

atagtgagat gacatactag caccaccagc 270

<210> 7810
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026c01b1

<400> 7810

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agcaagtcag atcagacaga tccgccgcaa gatggttgag atcatggtca accaagctgc 180

aagctgtgac ttaaaggagc ttgtgaacaa gttcatccct gaggtgattg gaaaggagat 240

tgagaaggcc acctcaggca tcttcccccc cagaacgtgt acgtccgcaa ggtgaagatc 300

ctgaaggccc ccaagttcga cctgtggaag ctattggagg ttcacggtga cta 353

<210> 7811
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026c03b1

<400> 7811

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cacctcgaag ctcccctcgc tgccgcggtt cggccccaag ccacggtcca aggtgctgga 180

gatcgtgctc ccgatcgcca ccgcggcctt cgtcctcgcg ctggccatcg ccttcttatg 240

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gggccgcacc gcttcgcgta caaggagctg tacgactgca tgccc 345

<210> 7812
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026c04b1

<400> 7812

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gctacttctt ctcctcgctc gccggcaagg acgcctcctc ccatcgccgc atcgccatcg 180

ccgtcgacct ctccgacgag tccgccttcc cccgggcccg agggccgtgc agaactacct 240

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<223> Clone ID: uC-tsrow189026c05b1

<400> 7813

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gctgcgcagg aggcggcggc agcgggggac gtgcggccgg aggagatcgc ggcgaacgcg 180

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gcgctagagt cgagcattgc agcacagaca ctggagctga atagc 285

<210> 7814
<211> 293
<212> DNA
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<223> Clone ID: uC-tsrow189026c06b1

<400> 7814

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gagggcgccc acgacctggg ccaacacgga cgccggcctg ccgaccacgt ggtctacacc 180

gacggctccg tggcgcgcgt ggccctgctg cggcttaacc cgggccggct acggcccctc 240

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<212> DNA
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<223> Clone ID: uC-tsrow189026c07b1

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tctggactag cacacctaag agaatagaga attttcaaga ggttgccaag atgctgaaag 180

tagaccaaag taaaaaatta tcccttgatg tgaaaacacg atggaactct acgtacttta 240

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cctttacttg tgctcctagt gatgatgatt tgatattt 338

<210> 7816
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<212> DNA
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<223> Clone ID: uC-tsrow189026c08b1

<400> 7816

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tgtcagtggt tcctatgaca gtggagaagg ttttgaaaaa ctgaacaagg aaatatcaga 180

ttatgagatg tcaaacaact caggaagctc ccgtaggctc ttttatttgg cattgcctcc 240

atctgtctac ccttcagtgt gcaaaatgat ccgaacatat tgcatgagtc caacttctcg 300

cgctggatgg actagagtaa ttgttgagaa gccctttgga agggacctgg ac 352

<210> 7817
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026c09b1

<400> 7817

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ccaccggcgt caagaggctc taccagatgc aggagtccgg caccctcctc ttccccgcca 180

tcaacgtcaa cgactccgtc accaagagca agtttgacaa cctttacggt tgccgtcact 240

cgctccctga tggtcttatg agggccactg atgttatgat cgccggcaa 289

<210> 7818
<211> 175
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026c10b1

<400> 7818

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aagcataaga agaagaagtt ggagcaaggg caagcataag gagaaggtga acaac 175

<210> 7819
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<223> Clone ID: uC-tsrow189026c11b1

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gtgcgggctc cgtcttcaag tcccacaccc accaccgcaa gggccccgcc cgcttcaggt 120

cgctcgactt cggcgagcgc aacgggtacc tcaagggcgt cgtcaccgat gtcatccacg 180

acccggggcg tggtgcgccg ctggccaagg tgaccttccg ccacccgttc aggtacaagc 240

a 241

<210> 7820
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026c12b1

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gggcgaggac atatccgagg aggag 205

<210> 7821
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<212> DNA
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<223> Clone ID: uC-tsrow189026d01b1

<400> 7821

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ttctcccacg gctcccacga ctaccaccag gagacgctcg acaacctgca cgccgccatg 180

gaccgcaccg ggatcctctg cgccgtcatg ctcgacacca agggtccaga gatccgtact 240

ggatttttga aagatgggaa gcctatccag ttgaggaagg gccaagaaat tggtgatctc 300

cacagattat agcataaagg gggacggcca gatgatatcg atgagctata agagctagca 360

gttgatctg 369

<210> 7822
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026d02b1

<400> 7822

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tggggccgcc tcctcgtgtg gcctcaaggc tgccgctcct tccggattcg cgaccaggaa 180

gcagctctcc ctcgtttcgc ccccgttggt ctcgctgccc cagagggcca ggccagggag 240

aaagtgcagt ttccgagtga acgctgcaaa ggagctgtat ttcaacaagg atgggtcggc 300

tatcaagaag ctgcaaactg gagtcaataa gcttg 335

<210> 7823
<211> 243
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026d04b1

<400> 7823

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gagcgccggg tgcccaagat cggcacgcct cctcccgacc agaagcagct gcggagggag 180

atcgagctgc agtcgcggct cgagtccgcg cacgaggacc tcaagaaggc caaggaccag 240

ctc 243

<210> 7824
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026d05b1

<400> 7824

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ctgagaccag ctctgtgaag aaacc 205

<210> 7825
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026d06b1

<400> 7825

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ccatggagaa gcaaggtgtc gacatgcgtg tgtctgcgtt gatcaatgac accgtaggga 120

cactggctac gggcagctat aacgatgaag atgttgtcat cggcgtgata ttaggtaccg 180

gctcaaatgc cgcatatgta gaaaa 205

<210> 7826
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026d07b1

<400> 7826

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cagagacaca gcccaaaaag gtctgctccc aggttggtct gtgcaccttt gatgggactc 180

gtggtgttag tgctggaatt cggagcgtgg tcgatgatga gcctgtgaaa tcgaatggcc 240

ttcataccga tcccatgtgc agtgcctgtg agatggctgt tgtgtggatg cagaaccaac 300

ttgcacagaa ca 312

<210> 7827
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026d08b1

<400> 7827

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tgtatacgac gagcatcttt gttgctggcg cggctggcgg tgtgctgctg gcgttcacga 120

tgcacacgac agtggcctac aagatcaacc agagcgaccc gaacgtcgtg ctcgtgatcc 180

tcgcaattgt gctcggcctg ctgtgcggcg tgctcgcact gaagctcgag aagcccgtgc 240

tggtcatcgc cacgagcttg gt 262

<210> 7828
<211> 227
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026d09b1

<400> 7828

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agacagatcc tccatcaatc cctgtggatg agcttttccc ttcaggagat tttcctgagg 120

gagaaatcca ggaatataag gatgataatt tatggagaac aactagtgaa gaaaagaggg 180

aacaggaacg actacaaaaa ccaatgtaca attctgttcg ccgagct 227

<210> 7829
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026d10b1

<400> 7829

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gccgccgcag ccgccatgtc agggaggaag aagacccgcg agcccaagga ggagaacgtg 120

acgctcggcc ccgccgtccg cgagggggag cacgtcttcg gcgtcgcgca catcttcgcc 180

tccttcaacg acaccttcat ccatgtcacg gatctgtccg ggagggagac gctcgtccgc 240

atcaccggtg gcatgaaggt caaagctgga tcgtgatgaa tcatcccctt atgcagctat 300

gcttg 305

<210> 7830
<211> 172
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026d11b1

<400> 7830

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ttacatcata gaagttgtac aagttatgca gttgcaattt ttggcaacaa catggcagct 120

ctgaaagaat tttccatccc acaaaacatc gattcttaag aaaatacaat tg 172

<210> 7831
<211> 186
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026d12b1

<400> 7831

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cgatttcttt gcgaaggtgg gcagtgagat ggttggcccc aacaacgtga gagagaagca 180

gccact 186

<210> 7832
<211> 224
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026e01b1

<400> 7832

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gcgacaatgg caccggaatg gtcaaggcgg ggttcgccgg cgacgacgcg ccgagggccg 180

tgttccccag cattgtgggc aggccgcggc acacgggggt gatg 224

<210> 7833
<211> 197
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026e04b1

<400> 7833

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ctcctatcag ttaaatcaaa gccatggagc acaaggagac cggctgccag tctcgggagg 180

gccccatcct ttgcgtc 197

<210> 7834
<211> 201
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026e05b1

<400> 7834

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aaatggccat acaactcaca c 201

<210> 7835
<211> 206
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026e06b1

<400> 7835

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tggcgatcga caatcaccat gcgataccga ggacagagta tagcagctgg agcagtcctg 120

gaaacatgcc cggaagtggc catgacattg ctagcgaaga agccaagcca taagcagcct 180

gatatatgca tgcctttgta cgtaga 206

<210> 7836
<211> 260
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026e07b1

<400> 7836

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gaagaacgaa cacatggaag aggatatgtt ctgccatgag tttcaccttg ctgatctgag 180

ggtcatggac aactgcctca aggtaaccac tggggttgac catgttttca atctcgcagc 240

tgatatggga ggggatgggc 260

<210> 7837
<211> 181
<212> DNA
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<223> Clone ID: uC-tsrow189026e08b1

<400> 7837

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aaatagagga gtggcctgtt caccggagca agcgaggaag atagctcagc ccgaccacca 180

a 181

<210> 7838
<211> 175
<212> DNA
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<223> Clone ID: uC-tsrow189026e09b1

<400> 7838

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ttacggcgct tgcggtgcac ctccgggcag cacggacgac gtcgtcccgc tcacc 175

<210> 7839
<211> 198
<212> DNA
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<223> Clone ID: uC-tsrow189026e10b1

<400> 7839

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cctcctctcc tccatcctcg gccggaaccc gctcgtggtc gaccacgtcg acgaggagtc 180

cttcccggtc gaccacgc 198

<210> 7840
<211> 183
<212> DNA
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<223> Clone ID: uC-tsrow189026e11b1

<400> 7840

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gctctttcgt cctgctcctc aagatgcaga tctttgtgaa gaccctcacc ggcaagacca 120

tcaccctcga ggttgagtcc tcggacacca tcgacaacgt caaggctaag atccaggaca 180

agg 183

<210> 7841
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026e12b1

<400> 7841

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cctcaacgag g 191

<210> 7842
<211> 258
<212> DNA
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<223> Clone ID: uC-tsrow189026f01b1

<400> 7842

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tcaactcgcg caaatctcct cacctggtga cgagcatcca ccaagtcggc aggctcttca 180

gcacatttta tattgatcat ggcggttaga tatattgata ttttattccc tcccttcaat 240

gtaccatagc taacctgt 258

<210> 7843
<211> 276
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026f02b1

<400> 7843

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ggcaagacca tcacccttga ggtggagtcg tctgacacca tcgacaatgt caaggccaag 180

atccaggaca aggagggcat tcctccagac cagcagcgtc tcatcttcgc tgggaagcag 240

ctggaggatg gccgtaccct cgctgactac aacatc 276

<210> 7844
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026f04b1

<400> 7844

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ccagatgccc ggtgacaaga ccgttggggg aggtgatgat gctttcaaca ccttcttcag 180

cgagactggt gctgggaagc acgtcccccg tgctgtcttc gtagatctcg agcccactgt 240

gattgatg 248

<210> 7845
<211> 197
<212> DNA
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<223> Clone ID: uC-tsrow189026f05b1

<400> 7845

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cctgtatata gtagtggtag gtttagtgtt tggtttcccc ctgtgggtgt ctggccatgt 180

gccgtatcgg agcgtgc 197

<210> 7846
<211> 287

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026f06b1

<400> 7846

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ggcgtctggc gctatgccga ggtggagcgt accgccgccg cgttcgagca gcggccggtg 120

gttagcggtg gctgcagtcc tggctgcgct ggtgtgccag ttgcttgtga ggagtgggtt 180

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cctctgcttc caaggttacc atggtggtga aggaggaaga gaggaaa 287

<210> 7847
<211> 222
<212> DNA
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<223> Clone ID: uC-tsrow189026f07b1

<400> 7847

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cctcggcgtg gcgcctgaga acaaggcggg acagttcgag gt 222

<210> 7848
<211> 218
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026f09b1

<400> 7848

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ggccccggtc gtcgcatggg acgaggacga gctcccat 218

<210> 7849
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026f10b1

<400> 7849

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atggtgactt gtacgtcttc gaatcacgtg ctatttgcaa gtatgcgtgc cgcaagagca 180

agccagagct gttgaaggag ggcgacatca aggagtcagc tatggtggat gtgtggctcg 240

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atcctatgct tgggggagcc actgaccaga cggtcatcga t 341

<210> 7850
<211> 287
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026f11b1

<400> 7850

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gcaagagagg aaaaagaaat cgaagaggca gagatgggaa gaaggagaag cccggctctg 120

ccgctgctgc tgatctttgg cgtcctcgcc gtcgtcctcg cggctcttcc tcccctcgcc 180

gaatccagca gcagccacca ccaccaccac ggccatggcc accactcccg cgtccaaagc 240

agagggcacg gaggagaggg agagcagtcg tcctcggctg cggcggc 287

<210> 7851
<211> 325
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026f12b1

<400> 7851

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agcacaagga gaccggctgc cagtctcggg agggccccat cctttgcgtc aataattgtg 180

gcttcttcgg cagcgcggcg accatgaaca tgtgctccaa gtgccacaag gagatggcga 240

tgaagcatga gcaggcaaag ctggccgcct cctctttcga cagcatcgtc aacggtggcg 300

atgccgcgaa agaacatctt gctgc 325

<210> 7852
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026g01b1

<400> 7852

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gctggatctt attaacatgg gtatcatgat ttacctgatc ttgaaagtgg gccaagcttt 180

ggctatgagt tgcctagcac aaatggaata aacaaaaata agcagtctca ttcgttgaca 240

aaaaggaaac gctccaatat tggtcaagct tatgaaaatt caagaaagaa agataagcga 300

ctttctttgt caaagtta 318

<210> 7853
<211> 228
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026g02b1

<400> 7853

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atgcaaatgg tacacactca ggcagcccat gatgcatttt tccagtctga tagagagcca 120

agttgtagct gttggtcacc tttcatgata tggttgtctg agttaagcat ttgcaatatt 180

gccaactagt aggattgctc tttgagaaga ccttgcgttg ctattctc 228

<210> 7854
<211> 232
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026g03b1

<400> 7854

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cccccgacag catcgccgct gaggagggcg ggcagcagca acagatgcac caggacgaga 120

aggagcacag gccgatgttc aggagagtca aggacaggat gaggaagatg aagaacacca 180

tcgccggcca cggccacgat cacgatcacg atcacgagca ggacaccggt gg 232

<210> 7855
<211> 362
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189026g05b1

<400> 7855

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gctagtgagt tagtgaggat caatggcatc ccagctggag tcactcatga agcgactgtg 120

gagctatctt ccccttctc ttagcagttc caggagcgac cctccacaac cgattcctga 180

tcccaccggt gatcctccag ccgctcaagc cggggacact cccgccggtc aggagctttc 240

acccgctctt caaggtgtaa actcaggact cagctactta tctactctca gcacacacgc 300

atacgttaca cacctntttt tgctaatgat atcccccgaa cgctgtgata ataatctatg 360

gc 362

<210> 7856
<211> 231
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026g06b1

<400> 7856

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agaatgtgct tatctttgac cttggtggtg gcacttttga tgtctctctc cttaccattg 120

aggagggtat ttttgaggtg aaggccacgg ctggtgacac tcaccttggt ggggaggact 180

ttgacaaccg tatggtgaac cactttgtcc aagagtttaa gaggaagcac a 231

<210> 7857
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026g07b1

<400> 7857

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gagtacccca ttgtgtcgat tgaggacccg tttgaccagg atgactgggt gcactatgct 120

aagatgactg aagaatgtgg agtggaagtt cagattgttg gtgatgacct tctagtcacc 180

aacccaacta gagttgcaaa ggcaatccag gagaagtcat gcaatgctct tctgctcaag 240

gttaaccaaa ttggatccgt cactg 265

<210> 7858
<211> 219
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026g08b1

<400> 7858

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acaaactgca ggccccctgct tgctagctag tgatttccct tcccttgtag cttccctccc 120

gtgttcagaa atgggtcaag aacaaaagca aaaaaaaaaa gatcatgtgt aatctatgat 180

gagatggtaa tcaggtccaa cgctagacct tttctcaaa 219

<210> 7859
<211> 254
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026g10b1

<400> 7859

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aaggtgaaga agcgccgtct caactgcaag caggtgcgcc gcggcaagtt cctcgtcaaa 180

gccgacgacg ccgtctacga cgagctcgtc aagctggccg accagggcaa ggattccgag 240

ggcaaggcgc tacc 254

<210> 7860
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026g11b1

<400> 7860

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tcttagcagc atccttcccg tctacaagga ggttattgct gagttgaagg cagctggcgc 180

ttcatggatt cagtttgatg agcccaccct tgttaaggac cttgaatccc accaattgtc 240

tgcattctct gcagcttacg cagaacttga gtccgcactt tctggattga acgttcttgt 300

tgagacctac 310

<210> 7861
<211> 160
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026g12b1

<400> 7861

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tgcgctgctg gactttgccg ggagcctcaa tggtcgggat 160

<210> 7862
<211> 251
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026h01b1

<400> 7862

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gtgtatacgc cgcagcgatc gagacctaag ctgtaatgag ttacccagaa cagggtctat 180

gagtaaattt tccatatgcc cagcccatac cctactctga tcagcaggag ctcaaacacc 240

atgtgcagga t 251

<210> 7863
<211> 326
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189026h02b1

<400> 7863

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cctgcgcgag ggttcgaact tggctaagaa ctgggatttg agcagacaaa ttggtgatga 120

gcacggtgtt cttatagaat gcagggatgt gcacaagtcc tttggggaca agcatgtact 180

gcanggcgtc agcttcaaga ttagacatgg tgaagctgtt ggaataatcg gtccttcggg 240

aactggcaaa tcaactattt tgaaggttat ggcgggcctt ctagcccctg atagggcgag 300

ggtgttcatc tgcggaaaga aaagac 326

<210> 7864
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026h03b1

<400> 7864

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gattgccatg aaccacactg atttcatcat taccagcaca ttccaggaaa tcgctggaag 120

caaggatagc gtgggccaat atgagtctca cattgctttc acccttcctg atctgtaccg 180

ggttgtccat gggattgatg tgtttgatcc taagttcaac atcgtctctc ctggagcaga 240

catgactgtc tacttcccat acaccgagac tgacaagagg ctcactgcct tccactctga 300

aattg 305

<210> 7865
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026h04b1

<400> 7865

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gggttcatcg gcgaccaggt ggagtcgatc cgctcgatgc aggtccgcca ggtgctcgcg 180

cagatcatca gcctcggtat gattgttacg tcggcattga tcatatggaa ggggttgatt 240

ggttgcgact gggagttgag tccccggtgg tccgtggttc tttctggtag catggagcct 300

ggattaaaag gggtgatatc ctgtttttgc gcatgagcaa agaac 345

<210> 7866
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026h05b1

<400> 7866

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tcctggacgt ccgccagctt gacctgcgtc tgctgatgga cgaagacatg caaggcgctg 180

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cgcggagatc gccgaccagg ccgtc 265

<210> 7867
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026h06b1

<400> 7867

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ccaccagctt gaatgccacg tcacccacct acctccccta ccactccttc aagccctgct 120

gcgttgactg gcgctccagt ggcgctgtca ccggcgtcaa gaatcaaggc acttgtggat 180

cgtgctgggc attcgcggcg gtggcggcca tcgaaggcat gaacaagatt aggacaggtg 240

agctggtgtc gctgtccgag caggaactcg tggactgcga caccgggagc ag 292

<210> 7868
<211> 296
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026h08b1

<400> 7868

ataatcatcc tcgacaccaa agctcatctt cttctccttg aaatcttttt gggttcatca 60

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cgggaaggtg taccctgatc tgacggagca gggcagtgcc gccgcccagg tcgccgtcgt 180

ggacgtcctc ggcgtggcgc ctgagaacaa ggcaggtcag ttcgaggtgg ccgccggcca 240

gtccggcgag ggctgcatct gcggcgacaa ctgcaagtgc aacccctgca actgtt 296

<210> 7869
<211> 284
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026h09b1

<400> 7869

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cctcgcagct cgctctccgg ccatggcctt ccagtccccc gtcggctccc ccttcgactg 120

cctcctcata gacctcgacg acacgctgta cccgggcaac accggcattg gccccgccct 180

gaggcgcaac atcgacgagt tcctcgtggc ccggttcggc ctcgccgccg acaaggccga 240

cgcgctccgc gccgacctct tccgctccca cggcagcacc ctcg 284

<210> 7870
<211> 364
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026h10b1

<400> 7870

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atggactttg gtgccacaga ggttgatccc aatatcgcaa ggtggctgta cccaaggctt 120

ggttatatgc cttacaatgc ccagtctgag gaattcggca ttgctggatt gaagagggcc 180

cttgaagcat tgaacacaca cctggcatca aacacattcc ttgttgggca ttctgtcact 240

ctggctgata ttgtcatgac atgcaacctc taccatggtt ttgctcggat cttgaccaag 300

actttcacat ctgagtttcc tcatgttgag aggtacttct ggatcatggt taaccagcct 360

aact 364

<210> 7871
<211> 293
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026h11b1

<400> 7871

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tgctggcttc tctgcggatt cgctggccca aaggatcgtt gattgcaagc ctaagcttgt 120

gctcacttgc aatgccgtga aaaggggcc caagcccatt cttctcaaag atatagtgga 180

tgctgctctg gtggaaagtg agaagaatgg attctctgta ggtatttgtt tgacatatga 240

aaaccagtct gtaatgaaga ggcaagacac aaaatggcaa gtgggaagaa gat 293

<210> 7872
<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026h12b1

<400> 7872

tcttggacgc gtgggcggac gcgtgggtcc aaagtgtgta tgaagcaact ccgggagctg 60

gtcttcgaga tcgaagactg gatcgatcaa aggccggaga ccaacattct gttggacaca 120

gaagaaatca aatacttcat gtctgagatc aagggagcgc gtgagcgctt caaatggtac 180

cgaagtcttc tcaagataga gtccagtgag accgatcttg ctgttgttgc acccagcaaa 240

atcaccattg accctcgtct gcttagcgag gagaaatatt gtcatggtat tcttgatggt 300

ccaagggatg agcttgtcaa gcatctgaca gatcagacgg aggagatg 348

<210> 7873
<211> 164
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027a01b1

<400> 7873

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cctcgtcagc tcccgagttc ttcctgagcg aagcaagcca aggcaagcta ggtagcagat 120

ccaagaagga gaagcgatgt cggacgtgac ggcggtgatg gatc 164

<210> 7874
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027a02b1

<400> 7874

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agatcaggcc acctcactca ccttcagtct gtcgtgatgg acaaagttaa gatcccaaca 180

aaaagtgctt cttgatgcta tgatgcagca acttaacctt ccaaattaca gtttactaaa 240

cagacctggc cggcagatcc ctcagctatc agggaaggca gacatcagcg gagattgagg 300

gcgcctctcc ggcgagagtg 320

<210> 7875
<211> 285
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027a03b1

<400> 7875

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tcaggtcgct cgacttcggc gagcgcaacg ggtacctcaa gggcgtcgtc accgatgtca 180

tccacgaccc ggggcgtggt gcgccgctgg ccaaggtgac cttccgtcac ccgttcaggt 240

acaagcacca gaaggagctc ttcgtcgccg cgagggtatg tacac 285

<210> 7876
<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027a04b1

<400> 7876

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cacccggggg agaacgcccg ccgccgcgac ccgcgccgcg tcccatactc ctgcgtcccc 180

tgcccggact tccgccgcga cccggcagca tgccgcaagg gcgacgcctg cgagtacgcg 240

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gaggtcggct gcccccg 317

<210> 7877
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027a06b1

<400> 7877

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cgcaggcgga tctcatccca tccaaggcag gcaggcaggt acgagatggc tctcaccaga 120

attggtcttg ctggcctcgc cgtcatgggg cagaacctcg ccctcaacat tgcggagaaa 180

gggttcccca tctctgtcta caacaggacc acctccaagg tcgatgagac tgttcagcgc 240

gccaagctag aaggaaacct ttctctctac ggattacatg accctgcatc cttcgtcaac 300

tccattcaga agccacgtgt agtcatcatg cttgtcaagg ccggtgcccc ggttgaccag 360

accattgcaa cgctcgcagc acacctggag c 391

<210> 7878
<211> 128
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027a07b1

<400> 7878

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gtcagaaaaa ccatggcggc ttcccgtgcc tagactgcac tgcttgctgt ggtggtactc 120

atggtctg 128

<210> 7879
<211> 471
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027a08b1

<400> 7879

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caacaattcg aagagcgaac caaaggtcaa gcagttagca gaaggtgtgg caagcaagct 120

gaagcctgta aaacattccc caatagatgt tagagaaaag gggccaatga gaaagcttat 180

gaagtcagag tcattcaagc gcgagggttc agttagtaaa gactccagtt cattaaaaca 240

gaataaatca tctctcttgt ctcgagatga aaaaccaaga atgttgaagc tgatgagtga 300

taagagtttt ttagaaagaa ggccttcttt tattcttcag aaaccacctt tatcaccaag 360

gcctgatagt tctgtcaagt cgggagatag aaaagtcgac caagataatc caaggcctgg 420

accaagcata ctaaatacta gcaaaaagcc aggtaacatc gaaaagaagc a 471

<210> 7880
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027a09b1

<400> 7880

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aggacgcgcg cggcgccgcc gcggtgcgcg ccgacgacgg ccaggtctac accgtcgagg 180

agatcgtggc catggtgctc cactacgcct acgggatcgc cgacgcccac gtctgcctgc 240

ccgtggtgga cgctcgtcgt cgccgtgccg ccctacttcg gccaggccga gcgccgggcc 300

ctcacgcagg cggcccaggt cgccggcttc aacgtgctcg cgctcgtcaa cgagcacgcc 360

ggcgccgcgc tgcagtacgg gatcgacaag gacttctcaa cgagtcgcgc catgtcatct 420

tttacgacat gggctcaggc agcacctacg 450

<210> 7881
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027a10b1

<400> 7881

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tcgggcgtga catcgtggac gcccactaca aggcctgcct ctacgccggg atcaacatca 180

gcggcatcaa cggggaggtc atgcccggcc agtgggagtt ccaagttggg ccgtccgtcg 240

ggatcgcggc gtccgaccag ctgtgggtgg cgcgctacat cctcgagagg atcactgagg 300

ttgccggggt ggtgctgtcc ctggacccga agccgatccc gggcgactgg aacggcgcgg 360

gcgcgcacac caactaca 378

<210> 7882
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027a11b1

<400> 7882

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atctggcaac aagcaccatg ctgatacatt tgctttgtcg aagccatcgg tttgaggaag 120

catgtgctga gtttgaggac atgttccgta gaggccacgt gccccagtat atcacttaca 180

ggatgcttat gaaagagctc aagcggctgg gtttggttca actggaagag aagttgaccg 240

acctaatgcg ctcagtacca cattctacaa agttgcctgg cagctacaga gaaaaggaag 300

gcgacaatgc taaagaaaag agaaagttaa tattggagaa agctcaggct gtttccaatg 360

ttctgaagga gtgtaaagat ccgaaggagt tgcacaagct gaaagatgat gaagaaactg 420

atgt 424

<210> 7883
<211> 257
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027a12b1

<400> 7883

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ccagcctcag ccactccggg cattttcttg catccacgac ggcaatggcc accgctgatg 120

tccagaaccc gactgccgcg ctgacggagg aggcgcccgc agaggagacg ccggtggccg 180

tcgaggaggc ccctacgaca gaggaggtcc ccgcgccggc ggaagccgag gtcgaggcgt 240

ctgcccccgt cgaggtt 257

<210> 7884
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027b01b1

<400> 7884

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ttgcctgcta tctgtctgct cactggaaag ttcatcatgc cagagattag caacttggcc 180

agtatctggt tcattgcgct cttcctttca attttcgcca ctggtatcct tgagatgagg 240

tgagctgctg ttggcattga cgagtggtgg aggaatgaac agttctgggt cattggaggt 300

atctctgcac a 311

<210> 7885
<211> 235
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027b02b1

<400> 7885

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gtttgctaac gaggttcaga acattatggc tctccaccat gaaaatgtac tgaagttggt 180

cggctactgt cacgaaggtc aaaagaaagt ggtgctgaac aacggaagat atatt 235

<210> 7886
<211> 407
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189027b03b1

<400> 7886

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ctgcccagct gcgtcggctg ataattcaag gaaaggtcaa gtcttcacag aaatgctgaa 180

taattgcttg gatcagatgc gtgcaccgtc gtctgaaact cgtatattca tgaggtgtga 240

tgttaatttc gaccaatctg cccatggacg gaacctgaac accatgatcg gcagagcagc 300

ccacatagaa ttcctggaga ctgacatcta cgccaggttc attcatgtgg tccttccctg 360

aacttttncg atgacgatga caatgttctc tccctcttat ttgggat 407

<210> 7887
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027b04b1

<400> 7887

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tcagcgacag cgcacgccat ggccgaggac catggatcgt cgcggcacat gtcgtccatg 180

tccatgtcgc acaaggagct gggcgacgac gacgcgcggg tggtgcatgt gggcgacgcg 240

gagcgcacca acgagcgcct 260

<210> 7888
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027b06b1

<400> 7888

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agaagaaggt cgacgacgat ggcggcgttg gtggagctga ccaaggagta cggctacgtg 120

gtgctcaccg tggtggccta cgccttcctc aacttctgga tgagcttcca ggtcggcgcc 180

gtccgcaaga agtacaaggt gttctacccc acgctgtacg ccatcgagtc ggagaacaag 240

gacgccaagc gc 252

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<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027b07b1

<400> 7889

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gggcctcgac aagctccgtc gggccgccgc cacccaaccc ctcgccatca acacagctgc 180

aggggaggcg attaagcagt cgccgtcgat gccgactacc ccgaccactc cggtgacgcc 240

gtcgtcgtcc acgccgccgc gcggcggcag cgtgtggcgg agcgttttcc accccgggag 300

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caccgtctac gactggcttt acagcgacga gactaggaca aggagcaacc acc 413

<210> 7890
<211> 486
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027b08b1

<400> 7890

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agtagtaatc cccgccgccc aacccccacc ctctccggcg cgtgcgcttc cgatgcttcc 120

gcgccggcgt cggccacggg tggtgcagtg atggtgggct tcttccgcag cggcaacctt 180

gcctcaaggg tgttcgaccg gcagtttctc tctccgcgcc ccggcgcaac cgttaatact 240

gtcagacaat tctatgagaa tttggttcca agttacacta tatacggcat agattgccca 300

gactattcgt ttcgcaagtt caccgatgat ggcaagtatc ttgtggcctt tagtcgaaac 360

caccaagatt tgattgtgta ccgtcccatc tggttaacgt tttcatgcca tgaagaatgt 420

gattctcatg atcttccggc caatgcagag agatttgaca gtttctttaa gcagctctac 480

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<210> 7891
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<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189027b09b1

<400> 7891

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gttacaaaaa tttcgcctgc atttgtgcta ttcttcaatt gttccgagga agagatggaa 120

aggcgtcttt tgggacgcaa tgagggtaga gttgatgaca acatcgagac tatcaggaag 180

agattcaaag tttttgttga atccagtttg cctgtgattg agtactatga cgcgaaggac 240

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ccattcttgg cccatatgcc aaggc 325

<210> 7892
<211> 323

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027b11b1

<400> 7892

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caggacgtgt gggactggga ggtgctgcct gacgagcaca ggagcttcta cgccgagacc 180

agggccgcat cccgtgccca cgacggcggc gaggttcttg ccgatcacga aaccgaggaa 240

ccgatcctgc ctccccccgtc acaagtcgac gctgataatg ttgacgagtg caaggacatc 300

ggcgtcgacg tcgacgtcgt gcc 323

<210> 7893
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027b12b1

<400> 7893

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gaaggcggtc ttctccggcg aggacacggc cgtcctgccc aaggcctgcg cgggcttcat 180

cgacgccgtg gacgtcgagg gcgactgcgg acccggcagc gtctccacca tgacgctcag 240

cccggcggca gcggagctcg ccggctcggg cgtgatgagg agccgcctgg tggcgcgcga 300

caacgcggcc cgtgtgatca agacggagct gctggagggc agcaaggtga gcgcccagct 360

caagtcgcag gtggccgagg tgaagctcga ggc 393

<210> 7894
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027c01b1

<400> 7894

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gggcgacggg ccggcgatcg gcatcgacct cggcacgacc tactcgtgcg tcggcgtgtg 180

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cgtcgccttc accgactcgg agcgc 265

<210> 7895
<211> 236
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027c02b1

<400> 7895

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ctttttgggt tcatcagatt tggaggatgt cttgcaactg tggatccggt tgcagctgcg 120

gctcagactg caagtgcggg aaggtgtacc ctgatctgac ggagcagggc agtgccgccg 180

tccaggtcgc cgccgtggtc gtcctcggcg tggcgcctga gaacaaggca ggtcag 236

<210> 7896
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027c03b1

<400> 7896

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ccccaagccc gacaaggagt tccccgtcgt cctggcggag tggtggagga gggacccgat 120

cgcggtgctc aggcagtcca tggtcaccgg tgcgccgccc aacgtctctg acaccatcct 180

catcaacggc cagcccgggg atttcctccc gtgctccagc caagagacaa gtatcattcc 240

ggtggtcgct ggcgagacga acctggcacg catcatcaac gcggccatga actccgagct 300

cttcgtctcc ctcgccggcc acaagatgac gggtggtcg 339

<210> 7897
<211> 247
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027c04b1

<400> 7897

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cacctcaatc acgtcttcac tccaccgccc gcgaaatcca ggccctagcg cgacttcgcc 180

atggccgcag cactcctcct cctggtgccg cccgtcggcc tcctcgccga gctcgccttc 240

ctgaccc 247

<210> 7898
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027c05b1

<400> 7898

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taagtatttt gctagacttg gaaagaatgt tatatctgtc tatgagactg atacgttctc 180

tcttatcgat aagaagtccc taaaggtaga aaatgtggtt gacttcagtt ggtctcctac 240

tgatcccatc atatcactct ttgtgcctga attaggtggt ggaaaccagc ctgccagggt 300

gagtcttgtg caaattccgg gcaaagagga gattcggcag aaaaaccttt tcagtgttag 360

cgactgcaaa atgtactggc agaacaatgg agaatatctg gctgtccagg tagacaggta 420

caccaaaaca tagaagagca tttacactgg gttcgagctg ttcagaat 468

<210> 7899
<211> 258
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027c06b1

<400> 7899

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ggaatctctt ggatatgtac ttatgtactt cctacgggga agccttcctt ggcaaggtct 120

gaaagcagga acgaagaagc aaaagtatga gaagatcagt gagaaaaaag ttgcaacatc 180

aattgaggct ctgtgtcgtg ggtatcctac tgagttcaca tcatatttcc attattgccg 240

ctcgcttcgg tttgatga 258

<210> 7900
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027c07b1

<400> 7900

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acgtcgagta ccgctgcttc gtcggcggcc tcgcctgggc caccgacgac cagtccctcc 120

agaacgcctt ctccaagtac ggcgacgtca tcgactccaa gatcatcact gacagggaga 180

cgggccgttc ccgcgggttc gggttcgtca ccttcgcgtc ggacgaggcg atgcgccagg 240

cgatcgaggc catgaacggc caggacctgg acggccgcaa catcaccgtc aacgaggccc 300

agtcccgccg ctccggcgga ggcggcggcg gcttcagcgg cggaggcggt ggcggctacg 360

gcggccagcg ccgcgagggc ggcggcggcg gctacggcgg cggcggcggt gg 412

<210> 7901
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027c08b1

<400> 7901

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caacatgacc gaggtctgcg tcaaggccgc cgtcggccac cccgacacgc tcggcgactg 120

tcccttctcc cagagggtgc tgctcacgct ggaggagaag aaggtgccct accagatgaa 180

gctcatcgac gtcagcaaca agcccgactg gttcctgaag atcaatccgg agggcaaggt 240

gcctgtgtat aacggtggtg atggcaaatg gattgctgat tctgatgtga tcactcaagt 300

cattgaggag aagtacccaa ctccatcact tgtgacccct cctgagtatg catcagtggg 360

atcaaagatc ttctccacct tcgtcacgtt cttgaagagc aaggat 406

<210> 7902
<211> 105
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027c09b1

<400> 7902

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gttcgtcccc accgacgacg agctgctcca ggcgcagtcc gacct 105

<210> 7903
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027c10b1

<400> 7903

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cgactaatcc tgagtatgct caaggctaca agatcacctt cacggattgc ttcccgttcc 180

tgatagcatc ccagggatca ctggatgcac tgaatgagct gcttaaggaa cctgtaccaa 240

tcaatcgctt cagaccaaat attttagtgg acggatgcca cccgtacgca gaggatctgt 300

ggaaaaccat gaagataaac aagctaacat ttgacggcgt gaagttatgc gaccgttgca 360

aggtgcctac cattaatcaa gagaacggaa tacctggcag cgaaccaaca gaaaccatgc 420

tga 423

<210> 7904
<211> 245
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027c11b1

<400> 7904

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gatgggcgcg caggcggacg tggaggtcgt gttcgaggtc ccgcccctgg agcacgccga 120

cgtcctggag cccaactggc tgctggaccc gcagagcctg tgcggcgaga agggcgcgtc 180

cgtgccgggc agcgtcggcc cgttcgggct gctcgtcatg gcctccggcg acatgcagga 240

gcaca 245

<210> 7905
<211> 379
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027c12b1

<400> 7905

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ttcgtcaagc ggatctctga tttccacctg cttctccaga tcgctgcttt cctggatgtc 180

aaggccgacg tgcctactct ggctgcgtgc gtgggacacc aggccgaggt gccagagggc 240

taccggctcc tgatcgacgc cttggcaggc atacataacc agagagggtt tcctgaaaca 300

agacacgggg tcatttagca gcttgctctc agtatcatct catgtgtgat ttatacgagt 360

tttaaacaag acttacaca 379

<210> 7906
<211> 238
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027d01b1

<400> 7906

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gcgacgccgc cgagtccgac gtcgtctggg cgcgcttcct cccaccggac taccgcgcca 180

tcctccagct gcacgaggcg ccggcgcggc gcttcccccct ctcgcgctcc ggctccac 238

<210> 7907
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027d02b1

<400> 7907

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cctttctgat cacatgatag gcaatgtgta tgtccagttc agagaggaag atcaggcagc 180

agcagctcat actgcccttc agggacgatt ttactctggt cgcctaataa ttgttgactt 240

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tcgtggtggg cactgcaatt tcatgcatgt gaagc 335

<210> 7908
<211> 249
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027d03b1

<400> 7908

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atcctcaatg atggtactat catgacaata tccaaggaca gagttaagcc atctcccttg 180

cccgacagct ggaagctcaa tgaaatcttc gccactggtg ttgtgctcgg aacctacctt 240

gccctgatg 249

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<211> 510
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189027d07b1

<400> 7909

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cgggggagct cgccatcatc tccaaggagg ccgtggctcc ttacgagcgc cctgccctca 240

gcaaggcata cctgttccct cagaatcctg caagattgcc aggattccat gtgtgtgggg 300

aagtggaggc gagaggctct tgcctgaatg gtactcacag aaaggcatcg agcttatcct 360

gagcactgaa attgtcaaag ctgatcttgc ttccaagact ctgactagtg cagctggagc 420

aacctttaca tatgataccc tgctaatngc tactggctcc tcagtcatta agctctctga 480

ttttggcact caaggagctg attctaacaa 510

<210> 7910
<211> 337
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027d08b1

<400> 7910

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taccatattc catcgaaggt ggtgtgtgca gagcagcagg ctgtggacgt gatgggcaat 180

gcccttcgag agtatttctt ctatggaaaa aagaaatatg atgagcgaaa ggcggccttt 240

gaacgtgtga ttgcacgcaa aggtctgggt gactatttcc caggcttcgt ctccttcgag 300

acatgtgtag agacttacaa gcaaggaagc gagcaca 337

<210> 7911
<211> 337
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027d09b1

<400> 7911

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aatcgcagtg aaggttctgt cagccacttc aaggcaaggc gtccgagagt tcttgactga 120

acttacagca atttcagaca tcaagcatga aaacctcgtc acgcttgtcg gctgctgtgc 180

tgaagggtcc cataggatcc tcgtttacaa ttatcttgag aaaaacagcc tttcacagac 240

attgctaggg tctggctaca gcagcatcca gttcaactgg agggctcgtg tcaaaattgc 300

cgagggagtt gcccgtggac ttgcatttct tcatgag 337

<210> 7912
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027d11b1

<400> 7912

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cgtgtccacc tgctccgtct agtcgcgaca cccgcacagc tctggttcgc agtcgcagcg 120

atggcgccca accaccgccc ccgcgacctg ctccttctcg ccgcggcgct cctgctctcc 180

gcctcctgcg ccgccgccgc cgacttcgag tactgcaaaa aggggcgcca ctatccggtg 240

aaggtgag 248

<210> 7913
<211> 252
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027d12b1

<400> 7913

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acgtctgcag gcagcccaag gacatggtgg tctcgcggtg gcacttccac cggcggctgc 120

atcccgagct ggcgttcgcc gacgtcttcg gggccgtgtg cagcggcttg gtggcgtacg 180

gaccagcgaa aacatgtttt agagtctatg catccgggta cttcttattc aaccactcat 240

tcctgcatca cg 252

<210> 7914
<211> 267
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027e01b1

<400> 7914

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taagaagacg ttccgatgcg ccgatgcacg cgtcgacgat ggcacgccct gcaagccctg 180

caagaagtac tgatcgctca tgtctcagaa catcagatgt tgcgccgaaa ataaaagctg 240

ggatgagttg agcagagccg ttatggc 267

<210> 7915
<211> 227
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027e02b1

<400> 7915

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cggcgaacaa ccccagccta cgtggcttcg agatcatcga cgaggccaag gccgcactgg 180

aggcgttctg cccgcgcacc gtctcctgcg ccgacgtgct cgctttc 227

<210> 7916
<211> 270
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027e03b1

<400> 7916

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cggctcctcc atccaccgac tctgtctgtg caagcgacca gtttccttcc gccccgacct 180

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gccgcgagga agcaacgtga ggagggagag 270

<210> 7917
<211> 223
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027e04b1

<400> 7917

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tcacgcactg ggtgatgagc cgtgcccctg gcttgtgcgc ccacggcttc accaggatgc 180

acgtcgcgat gtagtccagg ttcgtcaggg gcacgacgtg tgc 223

<210> 7918
<211> 233
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027e05b1

<400> 7918

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gtcggccatc ccgtcccggc tccaccgcat ccggccgccg ccgctggccc cgccccgccc 180

ggcgaccatc ctgccgtcgc cggcccagcc gactctctcc cctctcccgg cgc 233

<210> 7919
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027e06b1

<400> 7919

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gccgagtagc tagcctagtc tagggtttcg gtagagagga agtgagatcc atggcggaga 120

cggagtaccg ctgcttcgtg ggcggcctcg cctgggccac cgacgacaac aacctccagc 180

aggccttcag ccagtacggc gagatcctcg acgccaagat catcaacgac cgcgagacgg 240

ggaggtcccg tgggttcggc ttcgtcacgt tcggcagcga ggagtcgatg cgccaggcca 300

tcgaggagat gaacggcaag gagctcgacg ggcgcaacat caccgt 346

<210> 7920
<211> 310
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027e07b1

<400> 7920

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gttcagagtt ggtgtgagag gaggctacct ggcggtgaac acgttggtgg ctgcgatgct 180

cccgttcctt ggcgacttca tgagcctgac cggcgccctg agcaccttcc ccctcacgtt 240

cgttcttgcc aaccacatgt acctgatggt gaaggggccc aaactttctg ccttccagaa 300

aggttggcac 310

<210> 7921
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027e08b1

<400> 7921

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cccaaggaat cgcaggctaa agttgctgag ttttcgttcc gtgggacgcc agcaaagata 120

aagcatggtg atgttgtaat tgcggctatc accagttgca ccaacacatc aaatcctaat 180

gtaatgctgg gagctgcttt ggttgccaaa aaggcttgtg acctaggcct ggaggtgaaa 240

ccatggatta agacaagtct tgcaccaggt tctggtgttg tgaagaagta cttggacaag 300

agcggtctgc agaagtatct taaccagctt ggcttcaata ttgttggcta tgggtgtaca 360

acctgcatag gaaactctgg agatcttgat gaatccgtag ctgctgcaat tactga 416

<210> 7922
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027e09b1

<400> 7922

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caaaaaatcc gattagagac gaaggagtac actctttatg caaggccttt tcaaatttcc 120

caattatcgg tgatgaatta actgcacaaa ggaaaaagaa catcgccgaa cttgaaaaac 180

aaaggaaaga attattagca aataataatg caaatccttt tcaggcagat gaaccatttc 240

aaataaaaag ggagcaaaac cctccaaaaa tgcactgcga agatccacca tcatggattc 300

acgaacaagt gaagttgatg taaaaagaaa attaggggga ccatcagcca tgttgaacat 360

gcccgtaaga agttaggagg cg 382

<210> 7923
<211> 221
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027e10b1

<400> 7923

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cgacctccgc gccaaggtgt caagcttcgc gctggcgcgg tcggtcccca cgggcgttga 120

tggcggcgac gcgcagctca cccgccacgt cgttggcacc caggggtacc tggccccgga 180

gtacctggag cacggcctca tcacgcccaa gctcgacgtt t 221

<210> 7924
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027e11b1

<400> 7924

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cttttgccta tgtcccaaag ggaaattaaa tagaaattca acatctagta ctccatttga 120

cttttaaagc gtaacaacat ttgagtcata cttttggttg tgattcttgt tgcttcgatt 180

cgatttgact ttttttgaa gtgtaacaac atttgagtca tacttttggt tgtgattctt 240

gttgctttga ttcgatttga ctttttttg aagtgtaaca acatttgagt catacttttg 300

gttgtgattc tttttttctt tgatttgatt cgacttttt tagcttatga acattcaagt 360

aagattgtgt ttctttgatt tgacttttt gttattaat 399

<210> 7925
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027e12b1

<400> 7925

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cgactgttct tccggagcat ggcaagctgg agttcatgac caggtccggg atcctaactg 120

ccaagaaagt ccctgcacca gggagcactg gcgtcccagg tgaggagcag gggaagctgt 180

ttattgagct ggatttcccc atgattggtt ttctggactg caaccaaatg ccgtcgattc 240

cagagaccct aaacggtgcg cccattgtca gcgttcacaa atcggctacc gacggcgacc 300

tcattgtgga 310

<210> 7926
<211> 268
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027f01b1

<400> 7926

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cgtatccgat cccgccgtcg cagtcatgcc gttcaccctg gtaccctgct ccggcaagag 120

caccctcgcc ctcgtggcca gggtctccgc cgtcggcgtg gggctcgtct acggctccgt 180

gaagctcggc atgctgaaga tgaccaagcc caaggaggaa gcagctgatg ctcatgactg 240

aggacaagta gctccagcga gttgacgc 268

<210> 7927
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027f03b1

<400> 7927

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catctacccg aacggcagcc ggctcgacga cagcatcggc gccgcccagc ggatcggcat 120

gcgctttcac gcgagccgcg gcgcaatgag cgtcggccag cgcgacggcg ggctgccgcc 180

cgattcggtg gtcgagcgcg aacccgacat cctgcgcgac gcgcagcgcc tgatcgagac 240

ctatcacgac 250

<210> 7928
<211> 217
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027f04b1

<400> 7928

tgggtgttgt tggtcaaaca aataattttc catgtttgga cactcagttt tctgcacttt 60

agtcatttgt atggtttgtg ttcatgaata atcagtggct ggcatcattt tatatttgca 120

ccgtttgagt gctgattaca gtaggtctac atttttagt caaagtgttt ttatgttact 180

ttgttctttc agttttctgt cagtagtttg ttcaact 217

<210> 7929
<211> 235
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027f05b1

<400> 7929

cgactccggg ccggagcacg cgttctacgc ccctctccct ctccctctct ctcacgggag 60

gcgagtgcga gggcggaggc gaggcgaggc gcgggggtc ggatttgggg aggctgatcg 120

agcaggggat ccgccgcccc tccatccccct ccaggtttcg tgtcaggcgc gggggctccg 180

ggccgattgg tctttgatcc cgggcccccg aatcagctcg gatcgcgcgc ggatc 235

<210> 7930
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027f07b1

<400> 7930

cccacgcgtc cgcccacgcg tccgcggacg cgtgggtacc gcagcacgta cctgggcgcc 60

cggaccaagc cggaccggga gcggaagctc agcgccaggt accaggccta cgacaactag 120

gagctgccgg agaccgtcga ctggaggaag aaggggggccg ttgctgccat caaggaccag 180

ggcggctgcg ggagctgctg ggctttctca gcaatagcag ctgttgaagg catcaaccag 240

attgttacgg gcgacatgat ccctctgtcc gagcaagagc ttgttgactg tgacacttca 300

tacaacgagg gatgcaatgg aggtctgatg gactatgcgt ttgagttcat cattaacaat 360

ggcggtatcg actctgagga ggactacc 388

<210> 7931
<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027f08b1

<400> 7931

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caagaacgag tggggaaacg ccctctaccc cgtcgtcccc gggcatgaga ttgttggcgt 120

cgtcaccgac gctggccccg gcgtcaagaa cttcaaggcc ggggacacgg tgggcgtggg 180

ctacttagtc gactcctgcc gctcctgcgt gagctgcggc agcgggcacg agaaccactg 240

ccccacgctc gtgctcacct ccaacgccgt ggactacgac ggcgccacca cccagggagg 300

gttctccg 308

<210> 7932
<211> 264
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027f09b1

<400> 7932

tcaagaacta ctggaggacc agggtgcaga agcacgcgaa gcagctcaac tgcgacgtcg 60

gcagcgccac cttcaaggat gccatgaggt acctctggat gccccacctc gtcgagcgca 120

tccacgccgc cgtcgtcacc gccggcggcg accccacaat gggcgacacc tcgtgcgcgt 180

caggagtcac gtcgatggcc gtcaccgcca ccacatatcc cgacaacaac tctcccgcca 240

gcgcggtcac caccagcagg tcgg 264

<210> 7933
<211> 232
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027f10b1

<400> 7933

tcggagaccg ccccgactga cattagaggg ctgctgaaca cgctgccgca attcagtggg 60

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gactggagag tcatgcttgg ggttttgtcg ataccgtcgc ttatgtactt tgcattgact 180

gtcttctatt tgcccgagtc gccgagatgg cttgtgagca aaggaagaat gg 232

<210> 7934
<211> 233
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027f11b1

<400> 7934

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agtgtggagc acgctgctgc tacctggtca tgctctcagc agtgtgaatc tccagaagca 120

tgcttgccgt gccttcttcc gggtgcaccg gaggctggca tgtgagcagg ggtgcttcag 180

tgacgcagaa gaaaaaaggc aagtcttatc ggcaagggaa ggctacgcct ttc 233

<210> 7935
<211> 238
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027f12b1

<400> 7935

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ctagcactcc ggcggcacgg ttctgggagc aggccctctc cggcacgcct atgccggagg 180

tgctagctga ttttgttcag aaaggaatcg atctgtcacc gcttgtggag cactactc 238

<210> 7936
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027g02b1

<400> 7936

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aagacacaat ccttaagaaa tatgatggca ggttcaagga cattctccag gagatctatg 120

aagctggctg gaaatccaaa tatgaggctg ctggaatatg gtatgaacat cgtctcatcg 180

atgacatggc tgcctatgca cttaagagcg aaaggtgcta tgtttgggct tgcaagaacc 240

tatgacggaa atgtgcaaag tgatttctta gctcaaggtt tgggctcttt gggcttgatg 300

acgtcagtat tgatgtgccc tgatggtaaa accatcgaag ctga 344

<210> 7937
<211> 240
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027g03b1

<400> 7937

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atgccttgat tgccaatagc attgaaaatg ataaattcat ggatgagatg gctggaaatg 180

gcatttctaa ctacatttca tctaaggatt ctcaacaaga gttatcatct tcaatgattt 240

<210> 7938
<211> 242
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027g04b1

<400> 7938

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ggggtgcacg cgaagccggc tccacgcagc gtcctccttt cgccaccacc acgtccccgt 120

cctccctccc ccacccaaaa cccgcctcat ccccgtgtca aaacctccga gctcgccaca 180

gcgatcgcca gctcgcctcg cccacgccca cgcccgcgac cgcggagctg acccatggag 240

ga 242

<210> 7939
<211> 112
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027g08b1

<400> 7939

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gaggcgacgc gagcagcagc ggtcacctcg cgcacgcatt cggccgtaca cc 112

<210> 7940
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027g09b1

<400> 7940

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ccgtggtgcc caaggagagc tgcggcagga cggtcggcat caagaaggcg ctcgtcttct 180

actccggcag ggcgcccagg ggcgtcaaga ccgactggat catgcacgag taccgcatcg 240

tcgaagccga ccgcgcaccc ggcaagaagg gatccctcaa gctggacgaa tgggtgctgt 300

gccgggctgt acaacaagaa gaacaac 327

<210> 7941
<211> 383
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027g10b1

<400> 7941

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gccctacggc gaccgccgca tcgacctcgt cgtcaagccg ccgccgccca ccaggtcccc 180

gccgccgccg ttgcccgtca ccaagagcgg aggcggaggc gggataggct ccgcctggtg 240

cttcagcgac ccggaggtga agaggcggcg tcgggtggcg agctacaagg cgtactcggt 300

ggagggaaaa gtcaaggcct ccttccgccg gggcttccgc tggatcaagg acaagtgcac 360

gggcttcatc catggctgaa tcc 383

<210> 7942
<211> 299
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027g11b1

<400> 7942

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accacgtggt gctggcggag ctcaagtccg ccgtggccag ggccgacgtg ttccacctcg 180

tctcggggat gtggctgccc gccgccgagc gctgcttcat ctggattggc ggctcccgcc 240

cgtcggacct catcaaggtt atggcgcggc atatggagcc actgacggag caacaggcg 299

<210> 7943
<211> 331
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027g12b1

<400> 7943

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cagatctcat ccaaggcagg tacaagatgg ctctcaccag aattggtctt gctggcctcg 120

ccgtcatggg gcagaacctt gccctcaaca ttgcagagaa aggcttcccc atctctgtct 180

acaacaggac cacctccaag gtcgatgaga ctgtccagcg cgccaagcta gaaggaaacc 240

ttcccctgta cggtttccat gaccctgcat ccttcgtcaa ctccattcag aagccacgcg 300

tcgtcatcat gcttgtcaag gctggcgcac c 331

<210> 7944
<211> 263
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027h01b1

<400> 7944

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agccggcgcg ggtgggggtc gcggtgaggg gcggcagggc ggcggcgcgc ggggtgcggt 180

gccgggccgg cggcctgatc gagccggacg ggggcaggct ggtggagctg gtggcccccg 240

aggagggcgg ccggcgggcg gcg 263

<210> 7945
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027h02b1

<400> 7945

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cctctgctgc tgcttcgcct gctcgctcaa tccccccgga gccgtcgtcg cccgctagtc 180

ctcgccgggg gagcagaaga tccggtcttg gaccccgcct gcgtcgccga cgtcgtcgtc 240

gtcttcgtcc cgcgtggggc tgatcgttct gtggagctcg aggtgcagtg cttttgaccg 300

agaatttgag cccaacggat gaacatgtgc gagaaagatc aaaatttcca ctgggcctac 360

gacctttttcc atgacccctt t 381

<210> 7946
<211> 275
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027h03b1

<400> 7946

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gccgcccgtg cggtcggggc cggggctgag ggcgcggatg ggtcggatga agaggaagac 180

gggttcgagt tcgagattgg gaccctgggg aaatttatga agcctcaggg gactgtaaat 240

gtctcggcta cgtacaatac atggcaccac actgt 275

<210> 7947
<211> 231
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027h04b1

<400> 7947

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gaaatacgac tatatttcat catcctgctc ttggtgattt cgaagtgcag catttacctg 120

ttgttggtaa tgatgctgaa cttgaagagc gtatactgca acacctagct gctgctgcag 180

caatgggaag gtcacaccaa catggcagaa gagaggggca gaggaaccga t 231

<210> 7948
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027h05b1

<400> 7948

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ctcggcctcc gtcctccacc cagcagccag agcccagcag gagaccgacc aggaggagga 180

gttcagctac tcgctggacg cggagaacgg gccggcgcac tggggcgaca tcaaggaaga 240

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gtccctcgtg cgcggcctcg gttacctcaa ccactcctac 340

<210> 7949

<211> 227
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027h06b1

<400> 7949

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gctgtaatgg aagaaaatca aatggcggac ctggtttggc catacttgag gttggtttat 120

cagccgcccg aggaatctgc gcggcgtcgt cgccgcgaac agtactcgat attcaccatc 180

atggaggctc tgaggcaaat gattcttgaa ccaatcgttt acgacac 227

<210> 7950
<211> 269
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027h07b1

<400> 7950

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acacagctgt caggccagtc aaccttggcg cacagcttgt acctacccca tgtgtcgtgg 120

cgcacctggg tcccaccgca tccacgcttg gcggtgccgc gtccccgtcc gagctcgtcg 180

ccgccctgtc cctgcccgcc tccaagctgc cgttcctcgc ccgcctgctc cgccagctcg 240

ccacggcggg gcgtcttcac ctccaccga 269

<210> 7951
<211> 381
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189027h08b1

<400> 7951

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cgatggaggt catgggcctc atgctcggcg agttcgtcga cgactacacg gtcgtggtgg 180

tcgacgtctt cgccatgccg cagagcggga caggggtcag cgtcgaggcc gtcgaccacg 240

tcttccagac caatatgctc gacatgctca agcagaccgg caggccagaa agngtggtag 300

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caccagagtt ttgaagcttt g 381

<210> 7952
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027h10b1

<400> 7952

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cgcggagagg aggaagacaa gcaaggaaga gcggagcaat ggagtacggg tccccctgca 120

acagctgcag ccgcaacaag gagaagaggc ctccgctcaa gagaggccag ctcaagctgc 180

agatcgccag gactctgggc agcctcgtgg tgccgggcgc caagagcagc ttcagcttca 240

gaagatgatc aattgagcag ccactcagcc agggcaagca gcattttctc gaccaatc 298

<210> 7953
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027h11b1

<400> 7953

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cgtccgcatg tatctccact ccggccgggc agccagtctc ttcttcttct tctccagcga 120

gcgagcgagc taggctcgga ggtgagcgaa aatgccggtc agcaggatcg ccgtggggag 180

ccaccgtgag gtgtacgagg tgggcgccct caaggcggcg ctcgccgagt tcatctgcac 240

gctcatcttc gtcttcgccg ggcagggctg cggcatggcc ttcagcaagc tgagccccga 300

<210> 7954
<211> 216
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028a01b1

<400> 7954

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cgccgccggg aaacggggat cactttgttg gtgggacttg agacgggcag aatgtcttca 120

tcgcctccgg cttcgacggt ggcggacgcg gcggcggtgg gtcatccgtc gcagctggcc 180

atcagcaacg gggtgctgct ggcggcggtg atcttc 216

<210> 7955
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028a02b1

<400> 7955

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ggcttaccta ggagtaacta ttaagaatgc tgttgtcacc gtgcctgctt acttcaatga 120

ttcccagagg caggcaacca aggatgccgg tgttattgct ggtcttaatg tgatgcgtat 180

catcaacgag ccaacagcag ctgcaattgc ctatggtctt gacaagaagg ctaccagtgt 240

cggtgagaag aatgtgctta tctttgacct gggtggtggc acttttgatg tctccctcct 300

taccattgag ga 312

<210> 7956
<211> 408
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189028a03b1

<400> 7956

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tctcccagac cacccacctc ccggccgccg ccgaggacgc ccggacctcc cggccggcag 120

caaaccaacc agccacctcg tgcgtgtttg aaaaatcatg gcgcagcggg atcacaagca 180

ggaggagccc acggagctgc gggcgccgga gatcacgctc tgcgccaaca gctgcggctt 240

cccgggcaac ccggccacgc agaacctctg ccagaactgc ttcttggccg gcccggcgtc 300

cacgtcgccg tcttcctcct cctcctcctc ctcttctctg cngggcgtgt ccgcgccgac 360

ccccgtcatc gacaggccga ggccggcgcc gttggaggcg gagctggc 408

<210> 7957
<211> 244
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028a04b1

<400> 7957

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ttttggatac caaggagaaa ctggaagtcc ggagaaacga agtcctcagc cgaataagat 120

cctctgttgg aagcagatca gaacggttaa ctcagtattc tccagggcag ggatcttcta 180

gtgggaactt gcatcatcat atgagcccca ataagaggga atacacaaag acacttcatg 240

cttc 244

<210> 7958
<211> 182
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028a05b1

<400> 7958

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caggtgtccg ccatgcgcca gggcttcgcc agggcgctcg tcccctacta cccggtggcc 180

gg 182

<210> 7959
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028a08b1

<400> 7959

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atagtgagaa atacactata caccatttta ttcagtcctg ggtgccaatc atatcacctg 180

ggctggaagt tttgttgtac tttttggtct gtagcatcac gagacttgtg tgtgtcgtga 240

acaatgcaat gatgcatgtt ttggctcatt gttgatttca gcttaatgct tattatttgg 300

actt 304

<210> 7960
<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028a10b1

<400> 7960

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gcttcttcgc gcacggcgcc cgccagctcc gcgccgtcaa cccctccgcc gcctccatgg 180

cctcgccatc cccgagctcc tcgccttcgc cgacgcgctc ctcctcctcc tcctccaggc 240

cggcgctcac cgcgtcgctc agctcgcggg agctcgactt ggacgccgac aaccagaaac 300

agtacgcg 308

<210> 7961
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028b01b1

<400> 7961

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acgtgggggt gacggcagtg gacgtgcaga cggcggcggc accggccgtg ggggtgacga 180

ctgtggacgt gcagacggcg gcaacgccgg ccgtggacac gaagacggtg gcgacaccgg 240

cggtggaagt gacgacggtg gacgtgcaga ctgcggcgag ggagcagcag gacggcatga 300

tgtactggga c 311

<210> 7962
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028b02b1

<400> 7962

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ccgcagcgcc cttcttgctg cgggaactgg ggccagggag ctgagcctta gggtttccct 120

ctcgcccaac tcccaccccc accgcgtcgg cgcttcatgc ccgtggccag tgcgttgctc 180

cccctgtcct tctcctgatt tggaggtgcc gcgcgtcagt aagaagaata ccaggaacga 240

ggaatgggag gcgttgaaga cgggagttcg gacgcatgtt ccggccgcag cttcgcaatc 300

taggggaact cttttcgtcc gccgtgtcta cgacattgag gattatcagc tggg 354

<210> 7963
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028b03b1

<400> 7963

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gagtggacta atttgagtga cccggtcaat ggaatgcgta ctgtattgat tatcatggtt 180

atcgaatggg caatacttct ccccttggca ttttatcttg atcaagtctc atcattgagt 240

ggtggactcc gaaagaggtt ggttgatctc cttgaaatgc tttaagaagc gagctgcatc 300

atttcggagg tatagcttcg ggcgactagg acctaaagta acaatcgaaa tggagaaccc 360

cgacactact caagaag 377

<210> 7964
<211> 291
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028b04b1

<400> 7964

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gagatgatgt ctgcactgta cctccaagtc agtattgtga gccaggctct tatattcgtg 180

actcgttcac gtagctggtc ctttgttgag cgccctggtt tcctcttggt taccgccttc 240

cttctcgcac aattggttgc aacactcatc gctgtctatg ccaactggga g 291

<210> 7965
<211> 222
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028b05b1

<400> 7965

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gatgtcaacc agaggaaaaa tgttattact agaggagtcc tttcagtaac tgttatatct 120

gcagaggaca taccagcaat ggatgtgatg cggaaggctg acccatttgt tgtcctgtac 180

ctgaagaagg gggaaaccaa aaagaagaca aagggttgtg ac 222

<210> 7966
<211> 226
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189028b06b1

<400> 7966

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cagccatgtc ggtgcgtccg agcgagcggg ccgacgcgcg gcggaaccga tacaaggtga 180

ccggtggacg ccgatgagng ggcggcggcg gcgcgaggac aacatg 226

<210> 7967
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028b07b1

<400> 7967

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gggagggagc tcacggcggc aagcggcggc aggcggagcg ggcgcgggag ctctccggcg 120

gccatgccgc gatccggggc gtgatcccgc cggggattgc tggcccggga gggccgcggc 180

gatgaacggc gcgagcgccg gctccggctc cggcggcgag gggccgctgg tgtaccaggc 240

ctggaaaggg aacaatgtcg tttttcctcc aggggaggtt tatatttgga cctgatgcga 300

gatccttgtt tgtcaccatg ttcctcatta tcgctccagt aacagtcttc tggtgtgttc 360

gtcgcgaaag aattgatgaa tagcttc 387

<210> 7968
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028b08b1

<400> 7968

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cgcaattact gctaccagta caaagaaggc tgatcttata ctcggtgaga tccaatcaca 120

gatcaagaac aaaaacatca ctgtagatgt gaaggccaac tcagcatcga atgtcattac 180

tacaattact gctgacgatc ttgcagcacc agggctgaag accatcttga gctttgctgt 240

tcctgatcag aaatctggaa aggttgagct ccagtacttg catgattatg ctggtattaa 300

tgcaagcatt ggcttgactg ccaatctgta gtcaacctct cgggcgcgtt cggaactagt 360

gctctagctg ttggtgttga acgtgtcgct tgatacagcc acaagaattt accaaataca 420

atgctgcac 429

<210> 7969
<211> 222
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028b10b1

<400> 7969

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cgatcgatga tgatcgacga gatgagcaag tatgatctgg tagcagtatg agtttctccc 180

ctttgtgaag acaataagag ggagctagcg tctggtcctg gt 222

<210> 7970
<211> 189
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028b11b1

<400> 7970

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agcggtggtg gtggccgtgc tggggcccgg cggcgcgcca cgccgggggg tgggccggca 180

cgctggcgc 189

<210> 7971
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028b12b1

<400> 7971

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cgcgtcgccg ccgacgactc ctccccggga ggagcagcag gaggagagcc ggcaggccat 180

cgggtccccg gcgcggtcgg cggaggagga gatggcagcg ggtcttccgc aagttcgacg 240

ccaacggcga cggccggatc tcgcggccgg agctggccgc cctcttcgag agcctgggcc 300

acgcggccac cgaggacgag ctgacccgca tgatgttcga ggcggacgcg gacggcgacg 360

<210> 7972
<211> 268
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189028c01b1

<400> 7972

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tcttccggct gctgggcgac agatcgccat tcacgcagca gaactggcag ggggacagcc 180

tcgaccgcga cgaggagaac agncaggatc caacacttgc gggagatcgc ggaatttcct 240

tgggtatcac gcctttcagt cgacactg 268

<210> 7973
<211> 302
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189028c02b1

<400> 7973

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gatgtgtgct gccgacccac gccatggccg ctacctcaca gcctcggcca tgttccgtgg 180

caagatgagc accaaggagg nttgatgaac agatgatcaa cgtgcagaac aagaactctt 240

cctcttcggg aggtgggatc cccaacaacg tcaagtaagg cgtgtgtgac atcccaccac 300

gc 302

<210> 7974
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028c03b1

<400> 7974

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agtgcgttgc agagtgagaa gagatggctc cggtgaagct gtacggcgcg accctgtcgt 120

ggaacgtcac caggtgcgtg gcggcgctgg aggaggccgg cgtcgagtac gagctcgtcc 180

ccatcaactt cggcaccggc gagcacaaga gccccgacca cctcgccagg aacccctttg 240

gccaggtgcc agctttgcgg gatggtgact tgtacgtctt cgattcacgt gctatttgca 300

agtattgcgt gccgcaagaa c 321

<210> 7975
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028c04b1

<400> 7975

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ctccaggact tttgtgtcgc cgacatgaat tcaccagtac gtgtcaatgg gtttgtttgc 180

aagaacccaa tggaggttaa cgttgatgac ttcttcaagg cagccaccct cgacaagcct 240

agggtgacca acaagggttg gatccaacgt cactttgatc aaacgtcatg cagattgctg 300

gactc 305

<210> 7976
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028c05b1

<400> 7976

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gtgtggaggc aggctgcagt gccgcagtag gcggaagcaa catacatcat ttatgtccat 120

caagtcccga gagaactact aatagctagc tggaaagatg ttttagagaa tttgtttgga 180

ggccgacagc gggctcgagt ctatctctgt ctcacgaaca gggtggacag gttcacgact 240

cgactgattg actgaatcgg agcaaacaat tcagcaaaca ccttatgggc agagcttgga 300

ctggcagca 309

<210> 7977
<211> 234

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028c06b1

<400> 7977

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aggaagagta atcccctaga gccctgaggc actggctggc gctaagtatt tacactgtgc 120

gtaaccatgt acttcacgcg aaggagatac ctcattagag gtgaatagtg cctaaataag 180

actgactggt acactttatg gagctacata gactacaaag acgatgcgaa taat 234

<210> 7978
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028c07b1

<400> 7978

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gatggcgacg ccggcccgcc ggccgtcggc gcagcagcag cagccgctga cggtggactt 180

cgaggcgctg agctacatca gcaggctcgt ggaggcgttc aggcgttcga ctacgacaac 240

gacggcctgg tcacggcccc cgagctccgg ggcctcctgg cctgcctggg cctggacaag 300

tcgg 304

<210> 7979
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028c08b1

<400> 7979

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ccgaggtgta cccgctgttc gcggcgacgg gcgtcgccat cggcatctgc gccttcagcc 180

tcctccgcaa catcaccggc aacccagaag tcagggtcaa caagatgggg agggcagcgg 240

gagtgcttga gaaccatgag gagggcaggc gctacgccga gcatggcctc agagcctatg 300

tgcaggacaa gacccccgag atcatgccag gaatcaacaa gttcttcacc agcccgaaat 360

gaagcacttt agcctgtcag tggctcgcta ttagtaactg ttggggtcaa gtgcaaacct 420

att 423

<210> 7980
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028c09b1

<400> 7980

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cggcgcccgg cggcggcgac ctgtacgccg tgctggggct cagcaaggag tgctccgacg 240

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gcctatttcc gtcctct 377

<210> 7981
<211> 263
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028c10b1

<400> 7981

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cccgcagcgg caaccatggc ggtcggcaag aacaagcgca tctccaaggg gaggaagggt 120

agcaaaaaga aggccgtcga tccgttcacc aagaagcagt ggtatgacat caaggcgccg 180

ctgctgttca ccagccgcaa cgtcggcaag accctcgtgt ccaggacaca gggtaccaag 240

attgcctcag agaggtctga agc 263

<210> 7982
<211> 291
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028c11b1

<400> 7982

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cggccaccca agaccaaccg cgtccagatc cggcggcgga tctccccatg gcggccggag 120

ccctgggcct ggccctcgtc gcggcgctcg cggtcgcgct ggcgggggcc aactccgagg 180

gcgacgcgct ctcggcgctg cgccgcagcc tgcgggaccc cggcggcgtg ctgcagagct 240

gggaccccac cctcgtcaac ccctgcaact ggttccacgt cacctgcgac c 291

<210> 7983
<211> 219
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028d02b1

<400> 7983

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cccccgcccc gtctaccctg cccatccccc gccgcgggc 219

<210> 7984
<211> 225
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189028d03b1

<400> 7984

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ccagagcagc aagccttgtg gagctcggct cgagcatgga caccaagcat gcggattcgt 120

tcgacgagcg cgacgtcgtc gtcgacgccg gctgcgtccg cgccgtgctc ggggagctgg 180

tcctcacctt cctcttcgtc ttacncggag tcgccgccgc catgg 225

<210> 7985
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028d05b1

<400> 7985

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gcctcgtcct catcctcctc ctcctgcggc ggacggaagc ggcccgacat actcaacatg 180

atccggagtg cagcatgtct taattcatca tctactgata ctggcaaggg gcggagtaag 240

caatcaagca ccaaggtgac gcatggattc cacttggttg aagggaaatc tggccatgac 300

atggaggact accatgtagc agagtacaag tgtgataaga atcatgagct t 351

<210> 7986
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028d07b1

<400> 7986

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tggtgagagc tgtgcgctcg tgcctcgatc catccctcaa ccctccgtgt gtgtttgtaa 120

ggcagcgaga gcagccatgg gcgtggggaa gaaggtgctg aacgacgtga agccgtacat 180

gatgatgatc ctgctgcaga tcgggtaccg ccgggatgta catcgtctcc gtcgcctcgc 240

tcaagcgcgg catgagccac tacgtcctcg tcacctaccg caacctcgtc gccacgctcg 300

tcatgctgcc cttcgccctc ttcttcgaga aggggacacg gcccaagatg acact 355

<210> 7987
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028d08b1

<400> 7987

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tcctctcctt cgtccgaaga gcccgcgccg ccaatggcaa aagctaagct aagggttgca 180

gcagggatgg tcgccactcg ccactattag ctcagatttg gatcggtcgg tggcttttgg 240

cttcggcgtt gctttagtat ctctcctttt atcttttatg gtctcttttg ccgtgccaga 300

aaaacaaagg gaggccatgc cgccactgt 329

<210> 7988
<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028d09b1

<400> 7988

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agagagctgt actcctacgt ctgtaggctc atagctgggg agatggtgct caacggcgcc 120

ctgttcttgc tcgtctgcgc ggctgctcga gctgctgcgt cgggcggaga cggcccgctg 180

ctgaacggga acttcgagca cgcgccgaac aggtcgcaga tgaacggctc gagggtgacg 240

gggaagtacg cgatcccgca ctggaaggcc accgggttcg tggggtactt cgagtgcggc 300

gcgaagcagg accacat 317

<210> 7989
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028d11b1

<400> 7989

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cgcgcaggat gcgctcgccg ccagaggtgc tttgaacaac gtgaagggat acacgggtac 120

ctacacaggc aacccaggcg gtggttacgg cggtggttat gggaacggga agtatccatg 180

ataggccgtg tatgatgata cttggtgcac ggaaatacaa atacgtacgg cagaccatga 240

ataaattgtc acccgttact ggcatatcgt actctctctg atccataata agtttcgcag 300

ttttgt 306

<210> 7990
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028d12b1

<400> 7990

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tggttgctgc ctttcggcgc tggtgctatg gatagattca accgaatggt tgtgacatac 180

ccgattgaaa gaagaagctt tgctcccgcg cacatccagg ccggtgggat tagagtgccc 240

tggtggcg 248

<210> 7991
<211> 254
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028e02b1

<400> 7991

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cgagctcgaa tcggcggagc cgggtgtttc ggatgcgaga tcagaagctc cggcggcgcg 120

aatccacgaa cagaagctgg gttgcgggag tacgggttcc gatgaagctg ccgcaatcag 180

ccatatcccc tcaccggttg agccgtcgcc gtcagacgcc agttcgaatt cagacaccaa 240

caccaccact gggg 254

<210> 7992
<211> 109
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028e03b1

<400> 7992

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tttgttggag attatcaacc aatcaataaa agttgcaggg ttttgtttg 109

<210> 7993
<211> 297
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028e04b1

<400> 7993

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ggagaaagga gggatggcgg cggcgggcgg gaaaggggg ccgaggcgga cgacgcgggt 180

gggcccgtac gagctcggca agaccgtcgg cgagggcagc ttcgccaagg tcaagatcgc 240

caaggacacc cgcaacgccg tcacctgcgc catcaaggtg ctcgaccgca accacgt 297

<210> 7994
<211> 297
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189028e05b1

<400> 7994

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gaaaatcagc agcctgcttg atagatgttt atcagaatac gacatggagg ctatttattt 120

tgatgaaggt gtcagaacat caaaaagaca tcaacttgag tctaaactct tgcagcttgt 180

caatcctgcg taccaatctc ttcttggtca tttacggact agaactttag aagcattnca 240

aagagtcctt tgatagggcc gttgaaaagg agggatttgc tgttgctgct cgcgatt 297

<210> 7995
<211> 270
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189028e06b1

<400> 7995

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gagaaccagt cctcgtcgtc ccggcctccc cgacaccccg ggaaacaaag cgcctctccg 120

acatcgacag caaggagtct ctgcgggtgc tcatgccggg cgtcttcgtc taccgcggtg 180

gcccggcgcg cnggcgacga cgacccggtg gacgtcatcg gccgagcgct gtccgaggcg 240

ctggtgcact actacccccct cgccgggcgc 270

<210> 7996
<211> 256
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028e07b1

<400> 7996

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ttgaaccaga cgctctactc acacgggtgg gctctacgac atctagaagc gctgacccag 120

gaaacgccgg gctgcgtgac cgaagatcgc gcggctatcc cggcggcgcg cgcggccgtc 180

ggcaacccgg ccgacctggc catggtgcgg atgcaggccg acggccgtct cccgctggcc 240

gaccggagga actacc 256

<210> 7997
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028e08b1

<400> 7997

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gtccggcgct gccccctcac cctgctcgcc ccggcccgca cggcccccg gcggccgacg 180

cccctcctcg tcgcccgcgc caagcgcacc aataactcca ccgctgcccc gaagcgagag 240

gcggacgagg aggtcgaggt cgaggaggag ctgccgtgga tccaggacaa ggcgctggac 300

ctcgttcgag ttcaccggca ccgtcacgca ggccatccct ggcccccgcg tcggc 355

<210> 7998
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028e09b1

<400> 7998

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gaccaatgcc aagaacaaga agagatcagt gaaaatcccc accgggcgag aggagacaag 120

ctccggcccc cgtcctccaa gaacaagaac aagagcaaga aggaatccgg gagcacgagg 180

gaataaagcg gccggaggag accggaaagg ccgaggagaa aaaagctccg gcgacgatgg 240

agaagggatt ggatccggcg ctgctggaca acatcatcgc caggctgctg gaggtgaaga 300

gc 302

<210> 7999
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028e10b1

<400> 7999

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aggagctcaa ggagaagttc gagggtctgt gcaaggtcat caaggaggtg ctgggtgaca 120

aggtggagaa ggtcatcgtc tctgaccgtg ttgtggactc tccttgctgt ctggtgactg 180

gtgagatggg tggactgcca acatggagag gatcatgaag gcccaggcct tgagggactc 240

gagcatggct ggctacatgt cgagcaagaa gaccatggag atcaaccctg agaacgccat 300

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gtgatgctgc tcttcgagac ctccctgc 388

<210> 8000
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028e11b1

<400> 8000

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tcagcctgca tctagctagc gcagatgtcg ttccgcagca tagttcgtga tgtcagggac 180

ggtttcggca gcctgtcgag gcggagcttc gacgtgacca tctccggcct ctccggcctc 240

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atagtccagg agagccgctg ggctagcctc cctccggagc 340

<210> 8001
<211> 323
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028e12b1

<400> 8001

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gaagaggctg ctcatcaagg ttacccgttc tcctaaccgc ctctacaaat tatttttca 180

acccgtgcat catgtgtgcc ttgccgtggg ccatgttttc gacgcgtggc gttggcatgc 240

caggctagga caccagcact ttgacgggct gcagaagatg acacgaggca accttggtca 300

tgggctacct cacataaagc acg 323

<210> 8002
<211> 286
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028f01b1

<400> 8002

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tcatcaacag ctccatttat gcagaagtgg atggcaagga ggtaggtgta gtccacaggc 180

gctggcatct ttggcgtaga atttatgatc tgtacttagg gaacaagcaa tttgctgtgg 240

ttgagaatcc tggattttgg aactggactt ttaccctgga ttgatg 286

<210> 8003
<211> 238
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028f02b1

<400> 8003

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ccgaaggcgg agaagaagcc ggcggcgaag aagcccgtgg aggaggagcc cgcggcggag 120

aaggccgaga aggcgcccgc cgggaagaag cccaaggccg agaagcgtct tcccgcggcg 180

ggcaagacct ccgccaagga cggcgacaag aaggccaaga agaagagcaa gaagagcg 238

<210> 8004
<211> 225
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028f03b1

<400> 8004

tgtctttcgt actgttatct ggatgggaaa gaagcaagag tctgttgagg atgttccctg 60

tggtaacact gttgcgttgg ttggtttgga tcagttcatc acaaagaatg caaccctgac 120

aaatgagaag gaagttgatg cctgcccaat cagggcaatg aagttctctg tgtcccctgt 180

tgtgcgtgtt gctgttcagt gcaaggtggc ctcctgatct tccca 225

<210> 8005
<211> 299
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189028f04b1

<400> 8005

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ctcctcccta tctatacgcc cacgagcagt atataagcag cctcgccttc taatcctcga 120

ggccacaccc gacccgagag caagaaacaa gcaacgaagt ttctgtttcg agcaaggagt 180

ggtagagatt tcaaacgaga ggttgntcag ttaacccgag ggttgaggag ctgaaagaaa 240

tggcgacgac caagctgtcc ccgctctcgc ctgtgcggcc ggacgacaag cggcgcgcg 299

<210> 8006
<211> 402
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189028f05b1

<400> 8006

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cagatcccag tcgcgtcgtt tcctgatgtt cctagtggcc gggtgactga aattcctgga 120

gaaacttctg tgcttgatgc tgttagaatt ttatctgagc acaacataag ggcggcgcca 180

gtgcttaacc ctgaacctgg ggttccggcc gattggcagg gaggtatctt ggcatcatcg 240

agtactcagc catcatcctt tgggtactag ataatgnctg atctcgcggc cgtagctctg 300

tcagctggat cggcaactgc cgcangagtt ggaatgggcg ctgttggtgc atggggcgtg 360

gcagcattag gtgcaaccgg ccccgcagct gtcgtggatt ga 402

<210> 8007
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028f06b1

<400> 8007

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ttccccagtt tcagccatgt gtaaggagaa gactcacatc aacatcgtgg tcattggcca 120

tgtcgactct ggcaagtcga ccaccactgg ccatctgatc tacaagcttg gaggtatcga 180

caagcgtgtg atcgagaggt tcgagaagga agccgctgag atgaacaaga ggtccttcaa 240

gtacgcctgg gtgcttgaca agctgaaggc cgagcgcgag aaggggtatc accattgata 300

ttg 303

<210> 8008

<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028f07b1

<400> 8008

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tgtgtggggc ggtgcgtgga tgtacttcgc cacggggaac acatcatacc tcaccatcgt 180

cacagctgca gggatggcga agcacgcggg agcgttctgg attggtagcc caaacttggg 240

agtgtttacc tgggatgaca ag 262

<210> 8009
<211> 323
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028f08b1

<400> 8009

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cagatagcgc gatcacgcgc atcccccgaa agggaatcgg gttaagattt cccgagccgg 120

catgtggcgg ttgacggcga cgttaggaag tccggagacg ccggcggggg cctcgggaag 180

agttatcttt tctgcttaac ggcctgccaa ccctggaaac ggttcagccg gaggtagggt 240

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aaaatccgga ggagcgagta ccg 323

<210> 8010
<211> 193
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028f09b1

<400> 8010

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tactggctac tggtagcagc agctgatcct gatcgagagc gatggggtgg gcgatcgcgc 120

tgcacggcag cgccggggac atcccgcgca cgctgccgcc ggagcgccgg gagccccgtc 180

tcgccacgct ccg 193

<210> 8011
<211> 376
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189028f10b1

<400> 8011

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gcgacttgtt tgttgtgcat ggaaggggcg gggagcggcg ggaagatggg aggaggagag 120

gggatggccg gccgtgccgg tgccggtgct gcgtgggcgg ccaaggagaa gaccggcttc 180

gccgccacct gcagcctcct gagccgctac atgaaggaga agaagggcgg cgcactgcag 240

ggcctcgtcg gcctcgacat gtcgccgccg gctgccgtcg tcgatgaagg aggagctttc 300

cagccgccca ccaccatgaa cctgctttcg gggctagagg agccaaacgc cgcncacgtg 360

gagctccccc tcgaga 376

<210> 8012
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028f11b1

<400> 8012

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atgaagctga caatcacctt cctcctcctc gtctccgggc tggtggtgtt cggcgacgcc 120

aagaaggcgc cgtgcgccgt ggtgtgcgtc cagggagggc acatcacctg cgacaactac 180

cccgggcaga agctcgacgg gtgcgactgc cagtgcgcgc ccaaggacgg caagggcctg 240

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atgaatacat gcggttcgtc attgctggct 330

<210> 8013
<211> 206

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028g01b1

<400> 8013

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ggggacagcg agaggtgtag gcagcagcag cagccagcgg ggaggctggt tgtggttggt 120

cgtcgcgggc gggatggaga gcgagatgtc ggacgcgcag cccccggcgg ctgcggcgcc 180

cgtcgccgag ccgctcgccg ccgtgg 206

<210> 8014
<211> 168
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028g02b1

<400> 8014

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tcccggccgc ggagcccgag gcccccgcca aggacgttac cgaggaga 168

<210> 8015
<211> 220
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028g03b1

<400> 8015

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gaacaaccca cctggtattc aatgatgaca ttcagggaac 220

<210> 8016
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028g04b1

<400> 8016

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acaaggattc cttctgggga ggtctgggtt ggtaatcctg ccaagttcct aaggaagctg 120

acagaggagg agatcacatt catcgcccaa tcggcagcca actacatcaa cttagctcat 180

gttcacgcca ctgagaattc caagagcttc gatgagattg agctcgagaa gaaactgagg 240

aaggaagttt gctcacaaag at 262

<210> 8017
<211> 234
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028g05b1

<400> 8017

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aaaaggacaa ccaacccgga gcgacgcagc caggcagggg tgaagagaag agaagagagg 120

agaaggagaa aaaaaaaggc ataggcatca ttccagcatc gggttctacg gaggaggtgc 180

cggtttggac atctgatcca tttggagggg tattgaccgc ttcagagcca gagc 234

<210> 8018
<211> 245
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028g06b1

<400> 8018

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aagggacctc gaagacctct tcggcagata tgggagagtg cgacatgtgg atatgaagca 180

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ttgat 245

<210> 8019
<211> 369
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189028g07b1

<400> 8019

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ggacgccagc ttcccgggcg cgcaggccga gcgcctcatc cgcgcgctca acctgctccc 180

ggggcgtcct ccggccgcgg ctcgtgcggg gcgggggacg tcgcgcccgg gcagctgctg 240

gagcgccggg tcacgctccc cgggctgccc gagggcgtcg gcgacctcgg ccaccacgcc 300

ggctactacc gnctncccaa cacccacgac ccagggatgt tctacttctt cttcgagtcg 360

cggggcaag 369

<210> 8020
<211> 258
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028g08b1

<400> 8020

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tcccaggatt cgcttattga atcgattgta tgcaaagaaa cggaaagaac tacaggagcg 180

ccagaaacta aaggatattc aggtacagca agagcaaaag gatgagcggt ctttggacga 240

gttactttgt tttataaa 258

<210> 8021
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028g09b1

<400> 8021

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tcgtgccgca gcagctttca cccatcgaac tcgtggtgcc cctcataggc acttctctct 180

tggtcatcac gggtgatctg gcttgtctcc ggccatgtcc tcaatagtgg aagacccagc 240

agactatc 248

<210> 8022
<211> 90
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028g10b1

<400> 8022

tcccacgcgt ccgcccacgc gtccgcccac gcgtccgaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aggggcggcc 90

<210> 8023
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028g11b1

<400> 8023

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gtgcgcgccc ctcctctcga gatcttctcc gagttcctga gatctggttg taagcagcca 120

agatggtgaa gatctgctgc atcggagctg gctacgtcgg cggcccaacc atggctgtca 180

ttgccatcaa gtgcccgcat tgagggcggt tgtggacatc tacaagcccc gcattgacgc 240

ctggaacagc gacaccctcc cgatctacga gcccggcctc gattgatgtt gtcaaggcct 300

gcacggggaa gaacctcttc ttagcactga tgttgagaag catgt 345

<210> 8024
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028g12b1

<400> 8024

tttcttttga tttttcaact ggtttcggag atgaaagccg aatattttcc acctagggag 60

gatgtcattt tgcagaatga agcacccact gacttctaca ttttagtttc tggtagtgtg 120

gaattagtag aggttccaaa tggtgcggaa catggtgcag aacaggtggt tggagtggcc 180

aagtcaggag aggttattgg agaaattggg gttctttgct ataggcctca attattcact 240

gtccggacaa gatccttatg tcagcttcta cggatgaatc gtacggactt tctcagcatt 300

gttcaatcca atgttggaga tggaactatc atcatgaaca acc 343

<210> 8025
<211> 156
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028h01b1

<400> 8025

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gtttgatgtt attgctgtga aacttccctg tacaagggtg gctggttggt caagagatgt 120

tgcaaggctt catttgcagc tctctgcggc aaaact 156

<210> 8026
<211> 72
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028h02b1

<400> 8026

tatctttgca gctgctagga tgaggttggc agccactgag aaagcggaag cggagaagat 60

actccagatc aa 72

<210> 8027
<211> 191
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028h03b1

<400> 8027

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ggatccagaa tggaggattc gggacttcgg aaagacccat gttccagatt tcgaatggag 120

gattgatgac ttctcatcac tgcttaagac tggagctaag agagcaacat ctggcccttt 180

tcactgctct g 191

<210> 8028
<211> 370
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028h04b1

<400> 8028

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atgcatgacc tgatccatga tcttgcagtg tcagtttcaa ccaatgattg ctttcaaatt 120

gagcctggca tgacccgttc tatcccctca acggtgcgcc atatctcggt cactacagat 180

ggcgtacaag acatcaatgc tgccatcaac atgctaccga aaaagctgcg caccttgtta 240

gttctgagaa ctcgttcttt ctcctcatat tgccttcaag gagacttctt agcgaagctc 300

aagacttggc gggtgcttga tattagccac tctgattaca ctgaattgcc aatgtccatt 360

tcctgcttaa 370

<210> 8029
<211> 141
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028h05b1

<400> 8029

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accaagaagg agcaggggtt atacacctac tccgacaacc agactggtgt gctcatacaa 120

gtgtttgagg gtgagaggac a 141

<210> 8030
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028h06b1

<400> 8030

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ggcgcagggc ggcggcgcgg acgagaagga ctacaaggag ccgcccccgg ccccttctt 180

cgaggccggg gagctcacct cctggtcctt ctaccgggcc ggcatcgccg agttcctggc 240

cactttcctc ttcctctaca tctcggtgct caccgtgatt gccgtggtgg gcaacccgtc 300

ggggtccaag tgcggcacgg tcggcatcca gggcatcgcc tggagcttc 349

<210> 8031
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028h08b1

<400> 8031

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gggatcatcc tgacttcacc agctgtgcgt gtaaaaccag cacatccgat tgttggggcc 180

gaggcaccga tattctctat catagcaccc atgttactat tcaagggatc acacaagcgg 240

ggcattccgg tgtatcgcga ccccgccgtg ctgctggcga agtactctga cccactggtc 300

tacaccgggc cgatc 315

<210> 8032
<211> 280
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028h09b1

<400> 8032

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ggggacagcg agaggagaag gcagcagcag cacgcgacgg ggaggctcat tatggtccac 120

atcggccagc ccgatatcca ggtcgataac gcctgctgag agctctactg cctcgagcac 180

ggcatccagc acgatggcac catgcccagt gataccacga gtcggaggtt gcacacgatg 240

cgttcaacac gttcttcagt gagaccggtg cgggcaagca 280

<210> 8033
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028h10b1

<400> 8033

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gcaactgaaa caaagggaac tgttcttata cattctgctg agcagcttga aaactatgct 120

aaaactgagg aagcaaaggt ggaggagctt atcaaatctg tggctgattc aggtgccaag 180

gttattgtca gtggagcagc agttggcgat atggcattgc atttttgtga acgttacaag 240

ctaatggttc tgaaagtcag ctcaaagttt gagcttcgaa gattttgccg tactactggg 300

gctatagcac ttttgaagct tagccgacca aatgtggacg aattaggata tgcagactct 360

gttttggtgg aagaaa 376

<210> 8034
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028h11b1

<400> 8034

tttccttgga cgcgtgggcg gacgcgtggg agcagtcctt cattattttc tttaaaaacg 60

cggaagcccg gtgactggag taggcgaagc agggagcaat gtcgccaccg acgaagaaag 120

agagggcggc agaggccagg gcgagctcgt caaaaccgat cgtctcggcg gctccccagg 180

ttcagcggcg gagggtgggt ggtaggcggg tggacgagct gccggatatc cttctacgcc 240

tcccgcgtct acttcctgct catcatcctc cagatcccgc tcttcagggt cccttgtaga 300

gcaggcacat gcactacacc tattcaaatt acatcttcac agttggtctc aaatgagata 360

ttcccaccat ctgttgtgaa ggccatgctc taccctggag ttatagtgcg caacctcact 420

caagaatgag catgaca 437

<210> 8035
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029a02b1

<400> 8035

aatcggagct gcggaagcgc gaaggggacg caagggagcg aggcgctgcg cggcagcggg 60

caaaccctag gcgtacggcg ggcgccacaa cccccggcgg agggcaggct ccgcacggct 120

cggctcgatt ctgccggctc tgaccccgcc aagcggccat gtcgaacagg tccatttgca 180

agttctttgt gaatggtgct tgctttaaag gagactactg ccaattctcc catgactgga 240

atgatcaacc aaatgatgtg tgcacattat accagaacg 279

<210> 8036
<211> 271
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029a04b1

<400> 8036

tgctcgccat ggcgcacgcg gcggcggcgg cgcaggtcga cgtgcgcatc gcggagccgg 60

acaaccacac ggacatgccc aacttcgcgc ggctggtgaa ctcggcggac gtgatgatgg 120

gggtgcacgg cgccgggctg accaacatgg tggtcctccc gagccgcgcc gtgctgttgc 180

aggtggtgcc gttcggcggg ctggagtggc tgacccgggt gacctataag gacccggtca 240

aggacttcga cgtgacctac atggagtaca a 271

<210> 8037
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029a05b1

<400> 8037

tgtcgttctg cactagtcgc tgcaagaacc accaccacaa gtgagtgaac gtcggagcaa 60

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ggccggggtg gcgctgcgag ggggcgccgc ggaggggccc ggcgagtgcg ggaggttctc 180

ccccgaccgg atggccctgc gcatggcccc gtgcatctcg gcggcggacg agccggactc 240

ggcgccctcc agcagctgct gctcggcggt gcacacccta gggaagagcc ccagctgcct 300

gtgcgccgtc atgctgttc 319

<210> 8038
<211> 108
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029a06b1

<400> 8038

tacatgctgg gcaactaccc taccgcttgg tgctgaccgt ccgtcggaac ctgcaacagt 60

gggaactctc gccgggagcc ctacaccgcg gctcataaca tgctgctg 108

<210> 8039
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029a08b1

<400> 8039

tcgtaggaag cagcggagac cacacgaatc cccccaccac cctcgcgccc ccctcccagc 60

gcggcgccac caacctcgcc tctcccggcg cgccgagcgg agccgagcgc cgccggagcc 120

ggcggcgggt ctgcgtcagg tccggcctcg tccgtcccgc ggaggcggcg gcagcgcagc 180

gcgcgctcgc ggttggagct taatcttggt tcctgaagct gtagtagggc tctgttatgg 240

cggggtctgt cgcctcgggg ttcttcccca cgccggggtc ttccccggct gcatccgcca 300

gaggctccaa gaacatgtct ggtgaattac ctgagtcttt gagtgtccgt gggatggttg 360

caaagccgaa cacgcctccc gcgtccatgc aagtca 396

<210> 8040
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029a09b1

<400> 8040

tgtatgacac caagggccgc ttccgccttc actctgacaa ggatgaggat gctaacctca 60

agctctgcaa ggtcaggtct gtccagtttg gccagaaggg tatcccctac ctcaacacct 120

atgatggccg caccatccgc tacccagacc cactcatcaa ggccaatgac accatcaagc 180

ttgacctgga gaccaacaag attgtagact tcatcaagtt tgacgtcggc aatgtggaca 240

tggtgactgg tgggcgcaac actgggcgtg ttggtgtgat caagaacagg gagaagcata 300

agggaacctt cgagaccatc cacgttgagg atgcccaggg ccacc 345

<210> 8041
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029a10b1

<400> 8041

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taacaacact tgtaaaggca tttggtgagt gccgaccact gagggagctc gcaaatctca 180

cactaataat gggtaaccgt gaggctattt caaagatgca caacacgagt gcttctgtct 240

tgacatctgt gcttacacta atagacgaat accatttgta tggtcaagtg gcatacccca 300

agcatcacaa gcactctgaa gttcctgaca tataccgttt agccacaaga actaaggggg 360

cttttgttaa cgtggcttat ttcgaacaat ttggtgttac cttgatag 408

<210> 8042
<211> 224
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029a12b1

<400> 8042

tgccgacctc gacgtcgtcg tcaagcacga tcccttcgag ctgaccgtcc gccgagctgg 60

ctcgggcgaa cccgtgctct ccttcaactt ccacggcctc ttcgacttcg agccggtgca 120

ggagtcaaag cccgagggcg agacctggga ggagcagttg aggagccaca ccgacacgcg 180

ccccgcggc ccgcagtcga tcaccttcga cgtctgcttc tatg 224

<210> 8043
<211> 260
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029b01b1

<400> 8043

ttgatcgcga cacactcacc gtctcgccac gtgagaggag aagcccgcag cgccggtgct 60

tgagcggatc gggaaaggat ggccggcggc gcggacgcgg acggggagcg ccggatcggg 120

gtggccatgg actactcggc caccagcaag cgcgcgctgg agtgggccgt ccgcaacctg 180

ctccgccggg gcgacaccgt cgtgtgtctc cacgtgcagc gccacggtgg ggaggacgcc 240

aagcacgccg tctgggccaa 260

<210> 8044
<211> 375
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029b02b1

<400> 8044

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accatggagg caaccaccca ggagcagcgc aggggtgagg atgtggttca tcctctgaag 120

gttagccttg aggaactgta caacggaaca tcaaagaagc tctctcttgc ccgcaatgtg 180

ctctgctcga agtgcaatgg caaggggtca aagtccgggg cttcgatgaa gtgtgccggc 240

tgccaaggtg ctggttacaa ggtgcagata aggcagctgg gaccaggaat gattcagcaa 300

atgcagcagc cttgcaatga gtgcagggga agtggggaga ccatcagcga caaggatcgc 360

tgtgggcagt gcaaa 375

<210> 8045
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029b03b1

<400> 8045

ctgatttaag ggaaagagaa aaggagtttg ttcagaaaaa atccatggag ctcgagcaca 60

taaattctca aaaggtgatg atcatgtcaa aactagatca tgttgcgctt gaattgcaga 120

aacttgagga tgagaggaaa gaggctaatt tggagcgtga aaagagagag caagagctgt 180

ctgagataaa aaacaccatt gaagccctta ataatcaacg agagaagctg caagagcaaa 240

gaaagcttct acattcagac cgagaatcaa taacagaaca aattcagcaa cttgatgtgt 300

tgaaagaact gaaaagcgat tttgagaaca agcaactgtc tttgatagag tct 353

<210> 8046
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029b06b1

<400> 8046

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aatccacccc tccggaatca ctccagtagc cgcagccgca gacgattcat aggtttcttt 120

ttcagtactt tctttaccaa gcaaacccaa ttcgccgaca ccacttagga ttcagattag 180

aggcggggaa aagcggaaaa agcagatgga gaagacgaca gggatggcag gctcccagcc 240

caccgacacc gagtcgttcg agtacatgct gctggagaag gaccccgacc actaccggac 300

<210> 8047
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029b10b1

<400> 8047

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ggcggggagg cggaggacgg cgccggaggc cgcggagctg agggtgcggc ggcggacgct 180

cgagaccgtg ctcgagcagt gccagcgcgc gctcgagctc atgcgcgacg ccgaggggga 240

ggacggggat ccggaggagg ag 262

<210> 8048
<211> 180
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029b11b1

<400> 8048

gggcaacaac aaagagcgcg ggagaaataa gcggagcacg ccaagcagag agagagagag 60

aaggcggcgg cggcgacggc gacgactaca gcggcggcga cggcggcggc ggaggggccg 120

ggggaggtga accacgccca cagcctggag cagtggacca agcagaccga ggaggccaac 180

<210> 8049
<211> 332
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029b12b1

<400> 8049

acctcgtggt gggagtagcc cgcaatggga ttttttttcc tgatgctttt gtcgtgaggc 60

aagaaggacg aaggcatata caacaattga acatagagac cgagaaggcg aaaacaaaag 120

cggctcgggc ccggcccgat cccggatctt cgccgccggc gacgccggtt ggagaggtga 180

tgggggaggt gcgcggtgct ctatagcagc tagtaggtgt agttctagtt tttccttaga 240

ggagtttggc ctagtgccgg agattggcgt catgccgatg aggattttgc tgccggcgcg 300

cccgagccgc gttcggtggt tcctggcgat ac 332

<210> 8050
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029c01b1

<400> 8050

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ccgtccaccg ggtgtggagg cgagatgtcg tacatgcgag gcgatctgct gacgaagacg 120

cggaaactgg tgaaggggct ggccaagccc gcccctgcct ggctcaaggc catggagcag 180

gcacctccag tcacattccc tagaactgat ggtaaaatcg agaagataga actgccagag 240

gatgtctatg tcaagaggtt cttcagaagg catcctgatt cactctacca tgatgcaata 300

aagat 305

<210> 8051
<211> 276
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029c02b1

<400> 8051

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gaaagcagaa tggtgaagct cgcattcggg agctgcggtg actccttcag cgccacgtcc 120

gtcagggcgt atgtggcgga gttcatcgcc accctcctct tcgtgtttgc cggcgttggg 180

tccgccattg cctatgggaa actcaccgat gatggcgcgc tcgacccggc tggccttgtg 240

gcgatcgcga tcgcccacgc cttcgccctc ttcgtc 276

<210> 8052
<211> 401
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029c06b1

<400> 8052

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tgatactgct atgaagctta ggtccgatcg agaagcctat gatgatttcc gttcttttca 120

gcaaaggcca caagccctct ctggtctgtt gtttgaggag caatttgcaa atgcttatac 180

gataaatatt ttccagaagt tccaggatca gttaaagcag ctgatgaatg tgacttgcac 240

tgaagtcagt aggaatggat cgatagtgac ctacactgtg accgtcattg ggaaggagag 300

gaagtttgac tatagagtga tgtataatag tgccgagaaa gaagtgtggt gtatctgcag 360

atccttccag tttaaaggta ttttgtgtag ccatgctctt g 401

<210> 8053
<211> 274
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029c08b1

<400> 8053

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gcggcgagca agggcgcgat ggcgtccaag aggatacaga atgagcttaa ggatctgcag 120

aaggaccccc ctacctcatg cagcgcaggt cctgtgggtg aagatatgtt ccattggcag 180

gcaacaataa tgggcccatc tgacagccca tattctggtg gagttttcct agttactatc 240

cacttgcctc ctgattattc tttcaaacca ccaa 274

<210> 8054
<211> 257
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029c09b1

<400> 8054

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accgccagct ccagttccag ctcctgcacc gccttctcgc gctctcgtcg ctgctcctcc 120

tcgcctccgg agaggtcatc ttcgaggagc gattcgaaga tggttgggag actcggtggg 180

tcaaatccga taggaagaag agcgaaggga aagccggtat gctcaagcac acggcaggaa 240

aatattctgg agatcct 257

<210> 8055
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029c12b1

<400> 8055

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cttctctggt ctttttagcg gcagccagca ggaacacaca agaaattcag gtcccgttca 180

aggggtcctt cttctgggat tattagatcg gaagaagcgc cctcctcttg ctcgggattc 240

tcctgatttc ttgctaacct cactactctc ctaggaggaa cagagagatc cagagaacct 300

tttttctctc ctggattctt gccttttttc agccttgttt tgctccggta cggcgagaaa 360

gggttctttt gcaataccct tctagttcg 389

<210> 8056
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029d01b1

<400> 8056

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gagctcaccg gcagccacct cgacgaggtg aagcggatgg tggcgcagtt ccgcgagccc 120

gtggtgaaga tcgagggcgc cagcctccgc gtcggccagg tggcggccgt ggcccaggcc 180

aaggacgcgt cgggcatctc cgtggagctc gacgaggagg cgcggccccg cgtcaaggcc 240

agcagcgagt ggatcctcag ctgcctcgcc ggcggcggcg acatctacgg cgtcaccacc 300

<210> 8057
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029d02b1

<400> 8057

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ggtgcctgtg tatctgaggt ggagcatgca cgggtataca atgtcgacga cttgaaagag 120

gtggtggaag ccaataagga agaccgtgtg aggaaagcaa tggaggccca aacaatcatt 180

acccaagaac tgaaacggtt cgaggcatgg agggactcac tggagacggt tccgaccatc 240

aaaaagctga ggtcgtacgc cgacaggatc agggcatccg agctcgagaa gtgtctgcag 300

aagatcgggg aagacaatct caacaagaag atgagaaggt ccatcgagga gctgagcacg 360

ggcatagtga acaagctcct tcacggccca ctgcagcacc tgagatgc 408

<210> 8058
<211> 198
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029d03b1

<400> 8058

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caaccgcgtc ttcaacgagg ggatgaagaa ccattccatc atcatcacca agaagctcct 120

cgagtcctac aagggcttcg agggcctcaa cgcccccgcc cacgtcgacg agggtgttga 180

ggccctcgaa gcccttgt 198

<210> 8059
<211> 397
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029d04b1

<400> 8059

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accgcgacca gaccctcagg cgatccccgg cacctcctcc ccgacgcttc agccatggca 120

ggaatggcac cggaaggttc ccagtttgac gctaagaact atgattctaa gatgcaggag 180

ctgctgaacc aaggtgagac tgaggagttc ttcacctctt atgatgaagt tcacgagagc 240

tttgatgaca tgggtctcca agagaacctc ctgaggggaa tttatgctta tggttttgag 300

aagccttctg ccatccagca aaggggaatc gttcctttct gcaagggcct tgatgttatc 360

cagcaagcac aatctggaac aggaaagact gctactt 397

<210> 8060
<211> 249
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029d06b1

<400> 8060

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cgagccgttt gggagtcgtg ctggctttag cggctgtcgt ccttcttgcc gcagcggggg 120

ccgtcgtcgg gcaatccacg ccacggccac ccaacgccca gggcccgaag ccgtagccga 180

agccgatgaa ggtcaagtgc actgagaacc gcaaggagaa cccctactgt ttcaaccgga 240

acatggact 249

<210> 8061
<211> 277
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029d09b1

<400> 8061

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gcgcaggcgc actggatctg gccttcgtta ccgtcgccgt actgctctcc ccggccctgt 120

ccgcacctct ggacggcgcc ggcttccact cggcgacgtg cccgcagctg gagagcatcg 180

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gcatcttctt acacgactgc ttcccgcagg gctgcga 277

<210> 8062
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029d10b1

<400> 8062

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ggaggagtgc ctcgacgtgc tcaccgccgc cggcgacaag acgggcgtct ccaagcccag 120

gtcggaggtg caccgggacg gggactacca ccgcgcggtg cacgtgtgga tctactgcga 180

gagcaccggg gagctgctgc tgcagcgccg cgccgactgc aaggactcgt ggcccggcca 240

gtgggacatc tccagcgccg gccacatctg cgccggggac tcctccctct ccttcgcgcg 300

gagggagctc caagaagaac taggcatcaa gcttccagtc gatgcttttg agctcatctt 360

cgtttttctt caggaatgcg tcatcaacat tgggacttac accaa 405

<210> 8063
<211> 342
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029e05b1

<400> 8063

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gatgcgccgc gagctcggcg aggaggagct caagaccgtc gcctgggccg agcgcaactg 180

cctgtactac aactactgcg ccgacggctg gaggttcccc aagggattcc ccggcgagtg 240

cggacgcgac ctatgatgaa ttgatgattc agtgtttgta gcactagcag tacacctccg 300

agccgagatt tcattgatta atttcttcct ttgctacagt ac 342

<210> 8064
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029e07b1

<400> 8064

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tatcccagta gccgacaggg ggtttgagag cgtacagcgg ggtcaatcga tcgagcgcca 120

agaatggcgg cgtcagggag cgctcagagc cgactgttcg ccgcagcgtg cggcgttctc 180

agccgctgca tcaaggcggc ggacgcgcgg ccggcggcca cggtggtcct ccccctcatg 240

cccggagcgg aagtgcccgc gcaagacgag cacacggtgg gttctgcgcc ggggcacgcg 300

cagatgacca tcttctacgg cgggcaggtg ctggtgctg 339

<210> 8065
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029e08b1

<400> 8065

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ctggccgagg cgctggccgg cgtggcgctg ggaggggggcg cggccgaggg ggccggcgag 120

tgcgggaggg cctcccccga ccggatggcc ctgcgcatgg ccccgtgcat ctcggcggcg 180

gacgagccgg actcggcgcc ctccagcagc tgctgctcgg cggtgcacac catcggcaag 240

agccccagct gcctgtgcgc cgtcatgctg tccggcaccg ccaagatggc cgggatcagg 300

cccgaggtcg ccatcaccat ccccaagcgc tgcaacatcg tcgaccgtcc cgtcggctac 360

aagtgcggag attacacgct gccttgat 388

<210> 8066
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029e09b1

<400> 8066

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tgctgcttca gcctttcttc accactgacc tcctgtacaa gcttgtgaag gagtgtgagg 180

ccatgctcga ccagctcctg ccatcaagca aaccatctgt atcaattgaa gagggaaaag 240

aagatggcaa cactgcggac cagcatctga accccagttc ttccttggct aacagcagat 300

gtattccgga gcttgatgag attgagttca tggagagcat gtacatgaag agcacggttg 360

cggcgcttag ggctctgaaa gagatccgaa gcaaaagctc cacagtcagt gctttctcgt 420

tgccac 426

<210> 8067
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029e10b1

<400> 8067

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cgcccgctgc caccgcaaga tcgagagggt gctcgacagg atcagagaga agggcgagtt 180

cgtcatcgac gacatcgagt acgatgagaa gaacaacaag gtgatcgtga agggcccctt 240

cgacgccgac aagctctccg acaagctctg ctgtaaggcc tgcaagatca tcaaggagat 300

cgagatcgtc gagccgccgc cgtcgtcagc gccggaggag cccaagaaag aggcgcc 357

<210> 8068
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029e11b1

<400> 8068

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tcgctgcctt ccaagagtgc cgctaccgtt ggcgaccaga ccagcagagg aacgccgctg 120

gcagaggatg aggagtcctt ccttctccac catgaagcac gcctgcttcc actcctcgcc 180

gccgaagtcg gatgcgtgcg cagatgcagt tgaaggaaag gggcgggcct caaggccgga 240

cctcaaggag atgcagcacc ggaacatcat caggctgcag gacgtggtgc ataacgagaa 300

ga 302

<210> 8069
<211> 314
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029e12b1

<400> 8069

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tcggatacaa gcggtccaag tcgaaccagt acgagacggc gtcgctggtg cagatcgagg 180

gggtgaacac catggaggac gtggcctggt acggcggcaa gaggatggcc tacgtctaca 240

aggccaagac caagagcaac ggcacccact accgctgcat ctggggcaag gtctctcgcc 300

cccacggcaa cacc 314

<210> 8070
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029f01b1

<400> 8070

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tccaacgtac cctcggagaa gggggacggc gacgaaagcg aggacgacga cgacgaggta 180

ctcatccccg gcctgccgac ccggttcacg ttcgtcgacc tggagacggc caccaacggc 240

ttcaagtggc agatcggctc cggcgggttc ggcttcgtgt accgcggcga gctcccggac 300

cggaccaccg tggccgtcaa gcggatgaac aacctgtgca tgcagggccg gcgcgagttc 360

ctcac 365

<210> 8071
<211> 259
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029f02b1

<400> 8071

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tctagcatct ccggtgaagc aagcaagcag agagatggcg tcccctcgtc gcatggccgc 120

cgcgcccgcc gtcctcctcc tcgtcctgct cctactcgtc gccacggaga tggggacgat 180

gaagactgcg gaggcccgga cgtgcctgtc gcagagccac aagatcaagg gcacctgcct 240

cagcaacagc aactgcgcc 259

<210> 8072
<211> 247
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029f03b1

<400> 8072

cggcgatgga tttcgagctg ttgtttgcgc gggagaagct ggattgggag cagcgggagc 60

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gccgccgcga cgcgctcgag gcctaaaaca gggggcgccg cctcgacgcc gaccgggcgc 180

aggaagaggc tgaccagaaa atggaagagg tgatgcaact aggaaagggg atctttttt 240

cacacat 247

<210> 8073
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029f04b1

<400> 8073

tgcccgaacg gtctgtgtca atgaatggat ggtgccttgc tttccgagcc tgtggtgacc 60

ggctgattgt cattggaggc ccaaggactt ctattggtgg catcattgag cttaattcat 120

gggttcccga tgggcaaccg cctgtgtgga atttggttgc cacacggcaa tccgggaact 180

ttgtgtataa ctgcgccgtg atgggttgct gagtccactg aataaagatt ggatgcagtg 240

gatatttatg aaggatgata gtatgcacaa aggcagcccg ttcaattgct ccagccctga 300

ttcttcgtag cgatttatgc cttctgccca gttaactgga catctgctga gcggcagcac 360

tcatgtaacc cttgagttct aatactt 387

<210> 8074
<211> 141
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029f05b1

<400> 8074

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caccggcgca acgtacacgc ctacatcatg tatatacaga attacagtat attgttcaga 120

aaaaaatcaa caaattgtta a 141

<210> 8075
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029f06b1

<400> 8075

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atcagcgctg catgatcaat cgttgcaggt gggaactgtc ttcaaggcgc gcagatctcg 180

aaataggttc tcatcccccc ctatagataa agcagcggtc aacacgcaca gatggttgaa 240

caacgctgag atcatggtca tggaagagaa catggaagac tcgggcggta ttagacactc 300

tcatacagat taatattgac cacctgctta attagttaat acattgtaac acccccctc 358

<210> 8076
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029f08b1

<400> 8076

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tgcgtggcca tcgccggcgc ggactactgc ggggtcgcca gcgacacccg cctatccgtc 180

ggatacaaca tcctgacgcg cgagcactcc aagatctgcg agctggccga aaaatgtgta 240

atagcatctt ctggctttca aggtgacatc aaagctgtac agaagaactc agctgccagg 300

gaactgctat accaggacca gcacaataaa aggatgag 338

<210> 8077
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029f10b1

<400> 8077

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ggtgcccgcc ggcgacagcc cctacgtccg ggccaagcac ctccagctcg tggagaagga 180

cgcggaggcg tcggtcgtgt ggttctggaa ggcgatcaac tccggggaca gggtggacag 240

cgcgctcaag gacatggccg tggtgatgaa gcagcaggac cgcgctgagg aggcgataga 300

ggccatcaga tccttcaggc acctctgctc caggcaggcc caggagtccc tcgacaacct 360

gctcattgac ctctacaaga aatgtggaaa agt 393

<210> 8078
<211> 333
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029f11b1

<400> 8078

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aaacaaggct taaggaagtt aattctgttg ggatgaaaga ttgggctaat attcagactg 120

atattgttgg tctaattata aagaagcttg gcattcctga ctacatcaga ttccgtgctg 180

tatgcacgtc atggaaccat atctgcaagg aagtatccaa ccatccaagg gtggacccat 240

ggctgatgct ccccacaaag ccgcttgatg gtgctaagtt ttttagctta cctgaaaaaa 300

agactcaaac catgcatatc ccgagtgttg cca 333

<210> 8079
<211> 459
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029f12b1

<400> 8079

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ggctctcggc tcgccacgcg gagacggcac gagccccgat gccgtcgccc cgccgcgccg 120

gcgcgggcga cacgagcgcc ttcttcgcgg cgacgctggt gctgtgggcc gtgtcggtgg 180

ggttcgagat cggcgcccgg ggacgccgcg agctggccgc cgtggccgcc ggcttcgcct 240

tcttccaggc cgccaacacg gccgtccgcg ccgcggtctc ccgcgacccg ctcttcgtca 300

acaccgccgt ctcgctgctc cactcctccc tcacctgcgc ctcagttatc tttgttctat 360

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gcagttggat tggagcatat tctgctctgt gcttttcat 459

<210> 8080
<211> 265
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029g01b1

<400> 8080

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cgtggttgtg tcgcgtctgt tttcggtatt tgggggggtt ttgagtaagt actatgtgtt 180

gtgttcgagt gttgggtgag tggatctgaa agtgggttct agattggagc tgttttcgcg 240

tcttattaag attatattac aacag 265

<210> 8081
<211> 217
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029g02b1

<400> 8081

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gcagacagcc tgatggccag atgcccggag acaagaaccg cgggggaggt gatgatgctc 180

tcaacacctc cttcagcgag actggggcag ggaagca 217

<210> 8082
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029g03b1

<400> 8082

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gggacgaggc cctcaacacc cagcccgagc gcctcatctg gaacctcatg ggcatgatga 180

acaactgctg gttccgggtc aagatcaacg tctgccgccc ccacaagggc gagatcggcc 240

tcgtattcga ccaccccacg cagcccggga accagtccgg cggctggatg gcgcggcaga 300

agcacatcga gacgtccgag accacgcagg gcacgctcaa gcggagcacc tgcacgccct 360

<210> 8083
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029g04b1

<400> 8083

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aagatcattg agctccgagt ctaaagtaca gattgctgag gaacaatctc aaaataatac 120

acttcagagt gaggacagtg gaatttttgt tggtgttgac gattccaaga gccttcagat 180

gagtgaagtt ttctcgtcaa ccatttctgc taatatgaat tcacttctgg aggtgttcga 240

gggtggttcg ttggagatga aagtcatgga aaaagttgga tgcctcaaat actcggctac 300

acaatgggaa tcagataaac ccgacgaata tcaaagacaa attcattaca agtttagcag 360

gaagttgtct cctgttggag gagaagtgac tgggacccag ctgaaatctc ctat 414

<210> 8084
<211> 212
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029g05b1

<400> 8084

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gagagcccgc gggcgggctg gagccggacc cgatgctcac gacgccccca ggcgacaagg 180

ggtgcgtccc cttcttcttt ggggcacggg ag 212

<210> 8085
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029g06b1

<400> 8085

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ggtgagctat ttgaaaggat ctgtggttct ggaagattta gcgagaatga ggctaggttc 120

ttcttccaac aattgctttc aggagttagc tattgccatt ccatgcaaat atgtcataga 180

gatttgaaac tagaaaatac gctcctggat gggagcgaag cacccggct caagatatgt 240

gatttcggtt actccaagtc ctctgtgttg cactctcagc caaaatcgac cgtgggtact 300

cctgcctaca tcgcccccga ggtcctttct agaagggaat atgatggaaa ggtcgctgat 360

gtttggtcct gtggagtaac tctatatgtg atgc 394

<210> 8086
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029g08b1

<400> 8086

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tccaggcgca gtcggacctg tggcgccaca ccctctgcta cctcacgcct atggcgctcc 120

ggtgcgccgt cgaccttggc gtccccactg ccattcaccg cctcggcggc gccgcgtccc 180

catccgaact cgtcgccgcc ctatccctcc ccacgtccaa gctgcccttc ctcgcccgcc 240

tgctgcgcca actcgccacg gcgggcgtct tcagtgcaac cgacgccgga acgtaccgtc 300

tcaacccgct ctcgtacctc ctggtaga 328

<210> 8087
<211> 419
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029g10b1

<400> 8087

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ggcggaggag gaggaggact gctcgccctg gacgcctcgc cgcggcagct cggcttcctg 180

aacttgctat caccggcgcc gttccacagg agcatggagg cggacgacgg cggcggtggc 240

ggcggcggca gggggaggag gtccatcgag gttgacttct tctccgacga gaagaagaac 300

atgaagaaga gccgcgcatc ggccggtgct gacgcggagg accacaagga tcaggcctcc 360

gccgccgact cgccatcaag aaggaggacc tcaccattaa cctgcttacc gggaacaac 419

<210> 8088
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029g11b1

<400> 8088

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cccgatctgg aagaatcgaa gagacatgag aatcgacgca tcgcctcatg cgcatccgcc 120

cctcccgatc cttttcggtc cacgatcgct agcagaggga tcccctcgag agaggaggac 180

gagcgatcgg tcttgctgat ccgtcggtgc gaaagggaag atgagggcat ctggtcgccg 240

cgactttgag gaccagggat cggtcagctt ctcggctccg gcaagccgat gctctgcagg 300

aaacacaaag gtccgtcccg cccgccattg cggaccaggc ctcgggcacc gaccctcgat 360

ctcttcttcc tcgtcattcc gggactcgca attcactgac gtcgacctta ctggccacct 420

ggcaca 426

<210> 8089
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029g12b1

<400> 8089

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cctgaggcgg gatcccatat tgcgaaattg gagcacgatt cgattgagaa aggtctcctg 120

tatcacatcc cctccaaggt ggtgtgtccg gagcagcaga gtgtcgatgt gatgatgaac 180

gcactgcgcg aatatttctt ctatggtcgt gaggtcttcg aagagcgtcg cgagaaattc 240

ctggcagtga ttgtgaactg cggcttggtg ccgtacctca cggaagtgcc agcgtacgat 300

acacttgttg aacaatattt ggcatccagt gccaagtatg ctccgggtgg tcggtgcgaa 360

caatgcagtg cttaggcgct gcgcgtgggg cctaccttat aaggtccctt c 411

<210> 8090
<211> 105
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029h01b1

<400> 8090

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accctaatct tccgcctcga tctgtcccgc cgcaggagag atccc 105

<210> 8091
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029h03b1

<400> 8091

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ttttgccatt ttggccggga gcagaggagg gaggagatgg ccaaggggga gagggagggg 120

cgcctccccc tcttgctgct gctgctgctt gtcttgtgcc tcttggccca gtccaggatc 180

gccgtcgtcg ccacccaccc acaggatgcg gctgctctca aatccttgat gaggaaatgg 240

tcaaatgtgc ctgctagctg gaggaagaaa tcgaatgatc cttgcggcga caaatgggat 300

ggaattgaat gcaatggtgc caactcaagg gttacatcac taaatctttt tggcatgaac 360

atg 363

<210> 8092
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029h04b1

<400> 8092

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aaacgcagta caagatccag ttccaggggc agcaacaaca tcagaatcag catcaacagc 180

accaccacaa cgttgtcagg ccgaacgcca cctcgtgcgg cggcggcaac ccgcctggcg 240

ctgccgctcc cagcgcgccg gcggcggcaa cgacgacagc cggatctttc ctgggcatgg 300

tccagtagat ccatccatca ccccggtgac tagctctctc tctccccata ccccaatcaa 360

ttccatcggt ggctttctac cttctctttc tctctttctt ggaccatttg tatctaccta 420

cct 423

<210> 8093
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029h05b1

<400> 8093

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atacagatgt agaaccggct gttgagaggg tgctgtgctg agttattatt tgtttggagg 120

ggacgttgca tacagcggat gtattgtagc ttgtcgaaag gaaagtaaca cttggtttgt 180

tgtacaggga tttatagaac ttttttgctt agatcaattt cactttgtaa gctgtatatt 240

ttgcagcgaa tttctgcatc tcggttgatt ctgtggtcgt tgccttagct ataaaatatt 300

ctgtgcgact cgttc 315

<210> 8094
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029h06b1

<400> 8094

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gcatcatttc catctttgtt gcatactcga atggatggag cgaagcgaga cttgcccagt 120

ctgtgaccag ataactttga tagatgagat gtatgaatag catgttgacc ctggtggatc 180

ctctctagga gcccgtgcgt gcctaccgag gaggtttagt actagtcctt ttctctatgg 240

ggaagtaaaa tcagcaaact actctgctcc taatatgata gtatgatctg gtggaggagg 300

tgctactgga atgcatcttg ggagaacaaa tgggaaataa tgaaaggaag gaacccgcaa 360

gaaatatgct ctaaaaaaac catccatccc tgtgtttata ctagcatttg tgtcaagttt 420

atggtaacag gaggattagc aggctgcatc tgcaatatgc acttcatact agtcgaaact 480

ctgaatctag ctc 493

<210> 8095
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029h07b1

<400> 8095

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acagacacga ggctcggggc cggcccaatc attcccatca tcccatggac cgatcggcta 120

ccggcgggag agggtactac tactcggcgg cgccggtggg cacgggcatg ggcatgggcc 180

cgctcgcggg ccagctcggc gagtggctgc tccgggccgt gcagccgccg gcgcccacgc 240

cgtgcgggtc gcccggcggg cccccgatca ccgagccgtg ggtccggatg agggacggcc 300

ggcacttggc gtacgagga 319

<210> 8096
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029h09b1

<400> 8096

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ctccaagatg cagatcttcg tgaagactct caccggcaag accatcaccc ttgaggtcga 120

gtcgtctgac acgatcaaca atgtcaaggc caagatccag gacaaggagg gaatccctcc 180

ggaccagcag cgcctcatct ttgctggcaa gcagctagag gatggccgca ccctggctga 240

ctacaacatc cagaaggagt ccaccctcca cctggtgctc cgcctccgcg gaggcatgca 300

gatctttgtc aagaccctca ccggcaagac catcaccttg gaggtggagt cctcggacac 360

catcgacaat gtgaaggcga agatccagga caaggagggc attcccccgg accagcagcg 420

<210> 8097
<211> 458
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029h10b1

<400> 8097

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ggcggagcag ttcgcggagt cagcgaacaa tgtaatcatc gaagaggtga acaagggcct 120

gaaccctgga atgatagtcc tgcttgtggt tgcgaccacc ctgctgcttt tctttgttgg 180

gaactatgcg ctgtacctgt atgcgcagaa gacgctccct ccgaagaaga agaagccagt 240

ctccaagaag aagctcaaga gggaaaagct gaagcaaggg gtttctgcac caggggagtg 300

aagagaccca tcgatttctc atgtcgattg ctttatgctg ggctcctttt tttacctgat 360

aaaaaatata taccagctgg agctgcagtg ttgagcgact gtttatgtag aagccttgtc 420

ttgagtggta catcgtcggt attggacacc ttatttaa 458

<210> 8098
<211> 199
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029h11b1

<400> 8098

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cggagcagcc gcacgccgag gacgcgggcc acaagccgga gaccctgatg gagaagatcg 120

ccgacaagct ccacgtcggc ggcggcgacc actcctgctc gtcctccgac tccgacaagg 180

aggagcagcc gtgcccctc 199

<210> 8099
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029h12b1

<400> 8099

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atttctccgg ggttgcgatg gggcaagcat gcaccattgt cctgagagga gcaagtgagc 120

atgtgcttga tgaggctgag aggtccttgc atgatgccct atgtgtgctt tctcagacag 180

taactgacac gcgtgtcata tatggtggtg gatggcctga gatggtgatg tccaaggagg 240

tggatgaact tgcaaggaag acccctggga agaaatctca cgcgattgat gccttttcac 300

gcgccctgca agccatccca acaatcattg ctgacaatgc tgctctggat agtgctgagc 360

tgatctccca gctccgagcc gagcaccaca aagtgaacag cactgctgga attgatgtca 420

tcag 424

<210> 8100
<211> 242
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030a01b1

<400> 8100

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agtcgtcgcc gtgaagaagc ttcggcccct cggcggtgcg gacgaagact atgagttcct 180

gtcagagata gagctgctgt cgcggctgaa ccactgccac gtggtgccat tgctggggta 240

ct 242

<210> 8101
<211> 147
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030a04b1

<400> 8101

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aacatatgga tcaaaggacc aaggaattcg caaggaagca tcaggatcct acgggctaaa 120

aggtgaaagg gatttaaaag aaatctc 147

<210> 8102

<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030a08b1

<400> 8102

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tcctcgccgt ccggccggcg cctgtcggag ctgctggagg agaggcagga gcccttcttc 180

cttgacctcc acctcctgga gaagggctgc tcgggctggc tcctcgatgg ctatgacacc 240

gccctgtgct ggccagccgc agccgccggc aacgacgcgg cgtccgtgct caagcgactc 300

accagcaa 308

<210> 8103
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030b01b1

<400> 8103

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agcttcacac cctgaactta agcaaagcga agatttgagg acatttttgc aggcagatga 120

agagaaaatg gatagagcaa ggtcttttga gactggtata tttaagaagc cgggagattt 180

catacagatg tttaaggatg tacagtcaaa agtcagcgat gttgttttgg gaaaagaaaa 240

gccagtggaa gagtctactc ctgaatatga gaagcttaaa cattacatat ttgagctaga 300

aaatcatcta gcagaggccc agaaacaagc atttcgcctt gtaaaaaggc acagagaact 360

tgggcaatct ttggcggact ttgggaaagc gat 393

<210> 8104
<211> 65
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030b02b1

<400> 8104

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cctcc 65

<210> 8105
<211> 133
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030b04b1

<400> 8105

tcaggttaac taggagggaa gaggagaggt gaggagggag tgtggtgatg atgatgatga 60

ggtctctaga gccggcggcc gaccacaagg cctcgtcatc cttcggcaac cttctctcca 120

tctttctccg ggt 133

<210> 8106
<211> 150
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030b05b1

<400> 8106

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caagtacttt gagtcccgcg tccacaagta 150

<210> 8107
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030b06b1

<400> 8107

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ggtgccgggc agctacggcc tgccgttcgt ctcggccatc cgcgaccggc tcgacttcta 180

ctacttccag ggccaggaca agtac 205

<210> 8108
<211> 150
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030b10b1

<400> 8108

cccagatcca ctttccctcc tttcgctcgt acgctccttc tcctccagcg cggcccgacc 60

gctgctatgg tcgccggtgt gcaccaccgc ggtgagctcc tcccccactc cccttcgacg 120

tgcccacgac ccgcgccatc gtcgtccacg 150

<210> 8109
<211> 131
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030c01b1

<400> 8109

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gccagtacgg cgtgatcctc gacgccaaga tcatctacga ccgctagacg gggcggtccc 120

gtgggttcgg c 131

<210> 8110
<211> 234
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030c02b1

<400> 8110

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gcggcgtcgc tctcgtcgtc gtcctcgctg ctgatggctg cgacggccgt caaggggac 180

gaggagcggt acgtcatggt ggcgtcgagg ttcttccggg tgaagccggg cgct 234

<210> 8111
<211> 316
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030c08b1

<400> 8111

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ctgatcatgg cattattcgg atagagcgag aatcagcctt ggctctagag ctaatgaagg 120

aaaaagagaa ggcaacaact ccacctgctg aacaaaagac ggagagattg caaagtttca 180

aggaagaaca caagaatgcg ctccacaggg cgaaaacctt ggatgttcct catgcgatag 240

acatctctga agaggaaacc catgagggcg cttcatcttc cgatactcac agcgaggcga 300

cttcatcaga accaaa 316

<210> 8112
<211> 228
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030c09b1

<400> 8112

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ctgctcttag tgcacagcct gcattggtgc agaatgaaca gaaactgctt gagaagatca 120

atattctgtg tctgatggag ataatcttca gccggccatc agaagataga actatcccat 180

taagtgttat tgccaagcag actaagcttt caaccagcaa agtggaat 228

<210> 8113
<211> 249
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030c11b1

<400> 8113

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tgggaagctc tcatcatgaa tcgataaagt gtcagaaagc tattactgag ctctttgtga 180

aatacaacat acgtttctct ggaatatcaa ggtctttttt caagaattct caaagtctgg 240

ctgacaggc 249

<210> 8114
<211> 209
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030d01b1

<400> 8114

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cagtcaacaa tcgacccagc ttccagcgct cgatcgatca gcagccatgg ttgccaccgc 120

catgcaggcc ctcttcgacc agcccgagct ctccctctcc ctctccctgg tccccgccgt 180

cgcgccggcg ctcaacaagg acgactacc 209

<210> 8115
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030d02b1

<400> 8115

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caccaccatc cccaccaaga aggagcaggt cttctccacc tactccgaca accagcctgg 180

tgtgctcatc caggtttttg agggtgagag gacaaggacc agggacaaca acctgcttgg 240

caagtttgag ctctccggca tcccgcctgc acccaggggt gttccccaga tcactgtctg 300

cttcgacatt gatgccaacg gtat 324

<210> 8116
<211> 295
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030d04b1

<400> 8116

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gccgccggcg acaagaagga caagaagttc gagccccccg ccgcaccgtc gcgcgtgggg 180

cgcaagcagc ggaaacagag gggccccgag gcggcggcgc ggctgccccc cgtggcgccg 240

ctctccaagt gccgtctccg tcttctcaag ctggaccgcg tcaaggacta ccttc 295

<210> 8117
<211> 280
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030d05b1

<400> 8117

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cgtactttga tgtggacgag gtggcggacc ggtcggagga caagagcccc tcgccccaca 180

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accacgtgct tctctacgat cactccaacg gcctcctcac 280

<210> 8118
<211> 273
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030d06b1

<400> 8118

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ggaggacaag agcccctcgc cccacatgct gccctcgccc gaccagttcg ccgcctggat 180

ggaccgccac aacatcaccc ctgatgacca cgtgctcctc tacgatcact ccaacggcct 240

cctcactgcg tctgctcgcg tctggcggac ctt 273

<210> 8119
<211> 236
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030d07b1

<400> 8119

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gggtgcagat gccctgcaga agctgcaaga gaaatggaag tccacggcgg cgccgtaccc 180

ggccatgtac tcgagcttct tgggcgggat catcctggac ccggccatga tggccc 236

<210> 8120
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030d08b1

<400> 8120

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aatggagggc aaggaggagg acgtgcgcct gggcgcgaac cgctactcgg agcgccagcc 120

catcggcacg gcggcgcagg gcggcggcgc ggacgagaag gactacaagg agccgccccc 180

ggcgcccctc ttcgaggcgg aggagctcac ctcctggtcc ttctaccggg ccggcatcgc 240

cgagttcctg gccaccttcc tcttcctcta catctcggtg ctcaccgtga tgggcgtggt 300

gggcaacccg tcggggtcca agtgcggcac ggtgggcatc cagggcatcg cctggagc 358

<210> 8121
<211> 185
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030d10b1

<400> 8121

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agaccaccaa gtactcgtgc actgtcattg atgctcctgg tcaccgtgat ttcatcaaga 180

acatg 185

<210> 8122

<211> 293
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030d12b1

<400> 8122

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caagatgcca atggagaggt cggtgtcgct ggctgagagg agaaccgccg ccgtcgcgcc 120

ggccaacgac ctccggtgcc acagcgcctc ctacgccgtc tcctacgcgc ccaccaaggt 180

gcagcgcgac aggagcacca cctccctgtc ccgccccgtg gcggcgaccg ccgtgcagcg 240

gagcggcagc acgaggaccg tctccggcgc cggcgccggc cccaccccgg ggc 293

<210> 8123
<211> 251
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030e01b1

<400> 8123

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atgcttgagg gcatgttaag ctctcagaaa tcacctgcca gaacaaaggc tttcgatctg 180

attctgaacc ttgggattca tgcacacctg ctggagccta tgatagttga agatgcacca 240

cttattgaaa a 251

<210> 8124
<211> 240
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030e02b1

<400> 8124

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tggagtcggg cggcgtggag atgacggcgc cgccgggcgc cgcggcgggg gcgagcctgg 180

accgcttctt cgaggacgtg gagtccatca aggacgacct gcgggagctg gagcggatcc 240

<210> 8125
<211> 204
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030e04b1

<400> 8125

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ctggaagtcc tacgacctct acatcgccgg ggacgggggc agcgccgcct cgccggcctc 120

cgggccggca ttttccgcct ggtagaggga gcgcccgcag ctgcactgac tagacacagt 180

gattccctcg ccggctgggc ggcc 204

<210> 8126
<211> 269
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030e05b1

<400> 8126

cctacatatc tactatatac acagagaact gggtaaattc acctggacac gaggaagata 60

actcgcggca ggctttcgtg agcgtgcctc atggcagctg gcgaatcctg aagatccctc 120

tcgatagcta cttacctaca tggaaaggaa acgtgatcga agcgaacatg gaaatgaatc 180

cttctcgcgt cgtgggaatg tctctctcgc taaatgcaga aggcggcgtt cctggcgcta 240

agactgggcc aggcgattct agattagac 269

<210> 8127
<211> 288
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030e07b1

<400> 8127

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ttcacggagg aatcggagtg gccgcccttg gcctacccaa tacaagtctt ctcttcaagg 120

acatggagat gggaggagag gtcgctggcc cggagaggag aggctgcagg gaccatcgct 180

gacatggatc catataggga ttatgaacac cgttatgccg tctactggaa aggagcgatc 240

tatgtgcatt gtcaaaatga ctccatttta cgcataacct taacggat 288

<210> 8128
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030e08b1

<400> 8128

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ggaaaccagc catgatgggg gccaaatcca agggcgccgc caaggccgac gccaagttgg 120

cggtgaagag caaggggcg gagaagccgg ccgccaaggg gaagaagggc aaggccggca 180

aggaccccaa caagcccaag agggcgccat ccgccttctt cgtcttcatg ggcgagttcc 240

gcgaggag 248

<210> 8129
<211> 255
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030f01b1

<400> 8129

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ccggaggcat gtcggccaag aagatcgtgg tgaagctgga gctccatgac aacaaggaca 120

agcagaaggc catgaaagcc gtctccgttc tcgtcggcat cgatgccata tccatggacc 180

tggcgtcgcg caagatgacg gtgatcggca cggtggaccc ggtgcacgtg gtgagcaagc 240

tgcgcaaggg ctggg 255

<210> 8130
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030f04b1

<400> 8130

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tggggcaggg ttctccaggc ggcatgggca agcagggcgg tctccccggt gaccgcaagc 120

cgggcgacgg tgccgccggc gacaagaagg acaagaagtt cgagcccccc gccgcaccgt 180

cgcgcgtggg gcgcaagcag cggaaacaga ggggccccga ggcggcggcg cggctgcccc 240

ccgtggcgcc gctctccaag tgccgcctcc gccttctcaa gctggaccgc gtcaaggact 300

accttctcat ggaggaggag ttcgtcgc 328

<210> 8131
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030f07b1

<400> 8131

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gctgaatggt gatactgctc aagcaaatgg gcagatctgc tttactagaa atacttcatc 120

acttgtaaag cctcctaaat ataagcagtc tgaggattta aaaagcagac acagtctaac 180

accgcagctg ccaatcaatt gccctgcggc ttcgaagcct cttgtgcatc ctataaccaa 240

tgagaacact ctcaacactt tggtctcttc attacctgtt ctagagcatg ct 292

<210> 8132
<211> 287
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030f08b1

<400> 8132

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acgaggggat gccgatgtac cagaggcctt tcatgaaggg caagctctac attcatttca 120

cggtggagtt tcccgactcg ctggcaccgg atcagtgcaa ggctctcgag gctgtgcttc 180

caccaaagcc tgcatccaag ctgaccgaca tggagctcga tgaatgcgag gagacgacaa 240

tgcatgacgt caacatggag gaggagatgc gtcggaaagc ccatgct 287

<210> 8133
<211> 200
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030f09b1

<400> 8133

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aagaaaccgg atttcttgat gcagtctgag ccggaagttt ttgatccaaa aaagcctcaa 120

cctgttaaga agaccttgaa ggtaaaagtg cacatgggtg atggctggcg gatggacttc 180

aagcagacac actttgacca 200

<210> 8134
<211> 333
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030f10b1

<400> 8134

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gcaaatctat tgtaaacaca ttatctaagc actggacaac aactagagaa gctgaatttc 120

ttgcttcaac aattgtttca tcccttgctg agaaacgtca aaaacatgag aaattccttc 180

aatttcttgt cttgtccaag tgccatgaag aactatcttc aaaacaaaga gctgcaatgc 240

taagtgtcat ggaacatgga gaaaagctct ctggaatgat ccatcttaga gaattacaaa 300

atgcccttag ccagcagagt tcaagcacac gtt 333

<210> 8135
<211> 201
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030g01b1

<400> 8135

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catcctctcc tcaagaacca tactattcag atgcggcctt cttacaaccc aagaggcatg 120

catcatgact ccaacatcac agcccatgca atcactcaaa tatggcatca aaatggcacg 180

tgccctaaga acaccatacc a 201

<210> 8136
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030g02b1

<400> 8136

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caaagttgct gttgccaaga agggcgatgc caaggcccag gctgccaagg ttgccaaggc 120

tgtgaagtcc gggtcaatca agaagaccgc aaagaagatc cgcacgtctg tgacatttca 180

ccgtcccaag accctgtcca aggccaggga ccccaagtac cccaggatca gcacccctgg 240

caggaacaag ttagaccagt accagatact caagtacccg cttaccactg agtctgcgat 300

gaagaagatt gaagacaaca acaccct 327

<210> 8137
<211> 332
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030g04b1

<400> 8137

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aggccgtgct ggacgccgag cacgagctct gggcgaccac attctcctac atcaagtcca 120

tggcgctcaa gtcggccctt gacctccgcc tcgccgacgc catccaccac cacggcggcg 180

ccgccaccct ccctcagata gccgccaggg tcgcggtgca cccgtccaag atcccctgcc 240

tgcgccgtct catgcgcacg ctcaccgtct cgggcgtctt cagcgtcgtc cagcagcagg 300

acgtcgtcgt tcctgctgcc cccgtgagca ac 332

<210> 8138
<211> 187
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030g05b1

<400> 8138

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ccttgtcccc ctccgcgccg cgccgagggc cggcgaaatc tgccgccttt gtcagcgttc 120

cgggggggacg gccccggggg cggcggccgg tgctggcggc ggcgctgggc gacatggaca 180

tgcgccc 187

<210> 8139
<211> 198
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030g06b1

<400> 8139

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gccgcctttg tcagcgttcc ggggggacgg ccccgggggc ggcggccggt gctggcggcg 120

gcgctgggcg acatggacat gcgccccgcc attgacgaga accccgaggg cgtgctctcc 180

ggcgagtggc ccggcaac 198

<210> 8140
<211> 109
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030g07b1

<400> 8140

tgaaaggcca taagcctagc tctcaccgga gtaacatatt gaagatccac caccaccacc 60

acgatgacga cgatgatgac gatgatgatg atggtggtgg tggtggtgg 109

<210> 8141
<211> 313
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030g08b1

<400> 8141

ataaaaccag aatatcagaa tgaaacatca tggctgcttg cgcaaaagga gctacagaag 60

ataaacatgt ataaggctcc aagggataag cttgcttgca tcctgaactg ttgtaaagtc 120

atcaataact tacttatgaa tgcttctcat atgtcacatg ataacccccc tggagctgac 180

gaatttcttc cagtcctcat ctatgtcacc ataaaggcta atcctccgca gttacactca 240

aatcttttat acatacaaag atacaggtgc caatcacgac tggtgtcaga ggctcaatat 300

ttttttacaa acc 313

<210> 8142
<211> 204
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030g09b1

<400> 8142

tggctagaca acacgaagag atgcatccag ttaaggtgaa ggtgaaggac ggctcgagcg 60

cgctgagggc caagctggcg gagaaggtgg aggcggcgac gtcgaggtcg cacgacgagc 120

ggaagctggc gcacgagcgc ggcagggcca aggtcgccgc ggccgaggcg cagctgcaca 180

gggagaaggt cgcgcaccgg gagg 204

<210> 8143
<211> 165
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030g10b1

<400> 8143

gactgaaagg tggattggtc atatcattca tgaacatggc atcactggta aacttggatt 60

tatcacacaa caatttgaca ggagctattc cagactacca aataaagtca ctcaaagttc 120

tcgatttgtc atataaccag cttgatgggc caatcccgga ttcta 165

<210> 8144
<211> 180
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030g12b1

<400> 8144

aggacaacaa tgtgcactgc ctcgtcttct gcttcgtcaa ctggtctttc gtgtgatcat 60

ccatcaccct tgcctgtccc atgcagctcc atttttgctc tctctgtagg ggagaaccgc 120

cgccactgga aagtagtttt acgttatctt taactagttt gtttctagat ttgaagagcc 180

<210> 8145
<211> 268
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030h01b1

<400> 8145

ttttctcgtc cgcccacgcg tccgttctcc acctactcgg acaaccagcc tggtgtgctc 60

atccaggtgt acgagggtga gaggaccagg acccgtgaca acaacctcct tggcaagttc 120

gagctgtccg gcatccctcc tgcacccagg ggagttcccc agatcactgt ctgctttgac 180

attgatgcca atggtatcct gaacgtgtct gccgaggaca agacgactgg gcagaagaac 240

aagatcacca tcaccaacga caagggca 268

<210> 8146
<211> 294
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030h02b1

<400> 8146

gaatactttg ataatactct gttggagtac ctagtcagtg aatacaaaag atctgataat 60

attgatctgt caaaagacag actagctctg caaaggttgc gtgaagcagc tgagaaggca 120

aaaattgaac tctcatcaac tgcacagact gagatcaacc ttccttttat cacggctgat 180

gctgctggag caaaacattt gaatataaca ttgacaagat caaagtttga aagtttggtg 240

aatggtctca ttgcaaggac tagagaccca tgcaagaatt gtttgaagga tgct 294

<210> 8147
<211> 192
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030h03b1

<400> 8147

ctatatatca aacacccaga taaagagtgt caccagatca aatgcaaagt aaagagtgac 60

aaatagtcaa tgtaccaagt aaggggtggc aaataatcaa attcccctca ataaacctac 120

atctatggcc accttcaccc gatcaccgct cccgccggcc gaccccgaga aggagaagcc 180

gctcgcccgc tc 192

<210> 8148
<211> 300
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189030h05b1

<400> 8148

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cagctagcta ggccaggaca atcaacagcg aagatggcct ccctcaccgt ctcgcagacg 120

acaccggcgg ccggcaacgc caacaagcag cgcgagggcg cggagatcat caccggcgct 180

gaggcgtgct acgagcactc caaggagctc ctcaaggggc tggggttccc gggcggggtg 240

atgccgctgc gcgggctgga agagtgcggg ctggtgcggg agaccgggta cgtgtggatg 300

<210> 8149
<211> 326
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030h06b1

<400> 8149

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cgaagatggc ctccctcacc gtctcgcaga cgacaccggc ggccggcaac gccaacaagc 120

agcgcgaggg cgcggagatc atcaccggcg ctgaggcgtg ctacgagcac tccaaggagc 180

tcctcaaggg gctggggttc ccgggcggag tgatgccgct gcgcgggctg gaagagtgcg 240

ggctggtgcg ggagaccggg tacgtgtgga tgcggcaggg aaagccctac gagcaccact 300

ttcgcgccac gggcacccgg gtgcgc 326

<210> 8150
<211> 211
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030h08b1

<400> 8150

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ctccccctcc ctcgccgccg cccgtgggcg cggctgggca aagcccagcc gtcgccggcg 120

gcggcggggc ctcatcgtcc tcctgctcgg gcggtgctgg cgcgggccgg cgcctcgggt 180

cggagcgtgg agctgtgccg ggcgacacgg c 211

<210> 8151
<211> 228
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030h09b1

<400> 8151

cgtcgcctct ccctctccca cacgaaacca gctatccccc gaatccgtga gatccgagga 60

gggtcgcctc gcctcggcac tagcatccgc ggcgtcgaag atgggatcgg aggcggacat 120

gaccgggccc ctcctcgccg gcggcagcgg cgtcgcgccg gcggcggaag cggaggtggt 180

gccgccgtgg cgggagcagc tcacggtgcg gggcatagtg gtcagcgc 228

<210> 8152
<211> 181
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030h10b1

<400> 8152

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gggtcgtcgc cgacggcgga ctgctgccgg tccctgtcgg cggtggtgac cacgagcacc 120

agctgcgcct gcctcatcct gaccggcaac gtgccgctcg gcctgcccat caaccggacc 180

c 181

<210> 8153
<211> 296
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030h11b1

<400> 8153

tcttctcttc acaacaagaa gcggacgcta gctagagcct atgagcagag gaggcggagg 60

acgaggaaga agaagcttca cacacagcgc gggcgccatg agggggagga ggagggggag 120

cagcggcacg gccaccgact tcctcgtctg cttcccgccg cgggcgcacc tggcgctgat 180

gccgcccaag acggtctgca gcccgtcgag gccgtccgcg agctccgagc gccggcacag 240

caccagcggc gcccggccgt cgtcgtcgtc gtccagggcg gccaccaaca ggaacc 296

<210> 8154
<211> 285
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030h12b1

<400> 8154

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ctgtgctcag aaggacgtgt ccaactgggg cctgttcttc tgtgtggcag ttggtctgtg 120

ggctggtctg attattgggt ttgtgaccga atactacact agcaatgcct acagccctgt 180

gcaagatgtt gccgattcct gcagaactgg tgctgccacc aacgtcatct tcggtcttgc 240

ccttggttac aagtcagtca tcatcccaat tttcggtatt gctgt 285

<210> 8155
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033a11b1

<400> 8155

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agaagtccaa gcttgggttc acggtgtacc catctcccca ggtctccacc tctgttgttg 120

agccatacaa cagtgtcctg tccacccact cactccttga gcacactgat gtctctatcc 180

ttcttgacaa tgaggccatc tatgacatct gccgccgctc ccttgacatt gagcgcccaa 240

catacaccaa cctcaacagg cttgtttctc aggtcatttc atcactgaca gcttccctga 300

ggtttgatgg cgctctgaat gttgatgtca atgaattcca gaccaacttg gtgccctacc 360

cg 362

<210> 8156
<211> 326
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033b01b1

<400> 8156

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taccccagcg gcggaaggaa tctagagccc cctcctgccc cggcgccggg cggggcctcg 120

acgggtaaat cgcgacggca ccctagaacc cccgagcagc cagacgatgg aggaccgcgg 180

caggcagctg cggaggcggc tgcgcgcggc gaatggggga ctacgtgctg ctgcgcccga 240

tcgggtcggg ggcctactcg caggtctgga tggggaagca cgtcgcgcgg tgcaccgagg 300

tggccgacaa ggagatcgcc atggac 326

<210> 8157
<211> 307
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033b05b1

<400> 8157

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ttctaataca aggagcattc tgtgataaca ctgcaggggg gactggagcc acaagccgga 180

catgtgtgtg cgctgatcat ccgcttggtg aatctaactc caatagcaat ctgccatgca 240

cctgcaactg ctcgtgccat tggctaccag atgaaaacgg cggcacacgg tcatggaact 300

gctcgtg 307

<210> 8158
<211> 375
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033b07b1

<400> 8158

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tcccccagcg gcggaaggaa tctcgagccc cctcctcccc cggcgccggg cggggcctcg 120

acgggtaaat cgcgacggcg ccctagaacc cccgagcagc cggacgatgg aggaccgagg 180

cggcagctgc agaggcgggg gcgcgcggag ggtgggggac tacgtgctgc tgcgcccgat 240

cgggtcgggg gcctactcgc aggtctggct ggggaagcac gcctcgcggt gcaccaaggt 300

ggccgtcaag gagatcgcca tggaccgcct cagcgcgaag ctccgagaca gcctcctttc 360

cgaggtcgac atcct 375

<210> 8159
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033c06b1

<400> 8159

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agatctcccg gactgtccct ccgccatcat gggtaagaca cgtggtatgg gagccgggcg 180

caagctcaag acccaccgca ggaaccagag gtgggctgac aaggcataca agaagagcca 240

cttgggcaat gagtggaaga aacccttcgc tggatcgtct cacgccaagg gcattgtttt 300

ggagaagatc ggtattgagg ccaagcagcc taactctgcc atccgtaagt gtgctcgtgt 360

ccagctggtg aagaacggga agaagatcgc tgcctttgtg cccaatgatg gttgcctgaa 420

cttcatcgag gaaaacgacg 440

<210> 8160
<211> 65

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033c07b1

<400> 8160

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gcacg 65

<210> 8161
<211> 221
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033c08b1

<400> 8161

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acccagggcc gttcaagaaa ccggacgcca ccggggtcgc taccccctggc cgtcgccaag 120

atggtgcgga ttagcaacac ggtgatcggg atcctgaacg cggcgacctt gctgctctcg 180

gtgcccattc tggcgggcgg catctggctg ggggcgcgcg c 221

<210> 8162
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033c11b1

<400> 8162

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cccacctcaa gctcgtttac ctgaccctat gctttgccct ggcctcatct gccgtgggtg 120

cttacctgca cattgccctg aacatcggtg ggatgctgac aatgcttgcg tgtatcggaa 180

ccattgcctg gatgttctct gtgccagtct atgaggagag gaagaggttt gggctgctga 240

tgggtgcagc cctcctggaa ggggcttcgg ttggacctct gattgagctt gccatagact 300

ttgacccaag catcctcgtg acagggtttg ttggaaccgc catcgccttt gggtgcttct 360

ct 362

<210> 8163
<211> 96
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033c12b1

<400> 8163

cttacgcgtc ggcgagcttc gttcccttcc cattaagcct gcccgttacc tccgccccaa 60

tctgagatgg accgcctgtc actggcaatc taccaa 96

<210> 8164
<211> 496
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033d01b1

<400> 8164

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ttctgtacct gcttgacaat gatacatcat ggatgattct tgctagctct ggagttggtg 120

tgtgcattga attctggaag ataggaaaag cgatgcatgt tgagattgac agaagtggaa 180

agattcccat gttgagattc cgggatcgtg agtcatatgc acagaataag accaaggagt 240

atgatgcgct tgcgatgaag tatcttacat atgtccttct agtccttatg gctggttttg 300

ctatctattc actcaagtat gataaacaca agagctggta ctcgtggata ctctcttccc 360

tcacaagttg tgtttacatg tttggtttca ttatgatgtg cccacaatta tttatcaact 420

acaagctgaa gtccgttgct cacatgccat ggagacaaat gacctacaag ttcctcaaca 480

ctataattga tgatct 496

<210> 8165
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033d03b1

<400> 8165

ctttcgcgtc cgcccacgcg tccgcccgcg cccttaccga cacaaacctg cggcgaggtc 60

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atggcgtccg agctcacgta ccgcggcggg gccgcgtccc cgtccgcggg cgccgccggc 180

gccgccggcg agtactcctc cccgaagccc gccagctcca agccgctcgc gtggctgccc 240

cgcgccgccc gctacgccgc ggccgagcac cgcccgctct tcgccctcgt cggcatgctc 300

gtcgccgccg ccatcttctg cctcgccgcc ccctccggct ccggctccgg caccgccgcc 360

ccctactcct cctccggacg cgtctccggc gcgctcaccc gcttctccgt cgaccccgcc 420

gcgcacaacc ct 432

<210> 8166
<211> 430
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033d04b1

<400> 8166

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aatccccgcg agtggggcgc gggcctcggc ggcgcgcggc accccggcgt gccgtacacc 120

ttcttctccc agcggcccgg gtgcagggtc accctgtacc aggacgcgca caccccggac 180

gcgttcgcgc ccaggatccc gctctccggc ggtcggacct accagcaggg ccggtgctgg 240

gaggacgtgt tcgacgccat cagtgacgcg cgccacctga tatacgtcac cggctggtcg 300

gtgtacaccg agatcacgct gatacgggac ggctcccggc cgcgccccgg cggcgacgcc 360

accctcggcg agctcctcaa gcgcaaggcc agcgagggcg tgcgcgtgct catgctggtc 420

tgggatgacc 430

<210> 8167
<211> 307
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033d05b1

<400> 8167

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gacggtggac gaggacaaga agcccgcgga cgacggtgga ggcgcccaca ttaacctaaa 180

ggtcaagggg caggatggca atgaggtttt cttgcgcatc aagagatcca cacagctgaa 240

gaagctgatg aacgcttact gcgaccgcca gtctgtggat ctcaactcca ttgctttcct 300

ttttgat 307

<210> 8168
<211> 472
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033d06b1

<400> 8168

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tgacggcgga cgaggacaag aagcccgcgg gcgacggtgg aggcgcccac atcaacctca 180

aggtcaaggg gcaggatggc aatgaggttt tcttccgcat caagagatcc acacagctga 240

agaagctgat gaacgcttac tgcgaccgtc agtctgtgga tctcaactcc attgctttcc 300

tttttgatgg tcgtaggctc cgtggtgagc agacccctga tgagcttgag atggaggaag 360

gcgacgagat cgacgccatg cttcaccaga ccggagggtg ctttcctggc ccttagaagg 420

agcttgctgc agcctggctg ttctatgtcg tatgctacct ttagaactag ag 472

<210> 8169
<211> 462
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033d07b1

<400> 8169

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gcggcttcag atgccttcac tcgcgtcgga ggtgctgaca aaaattgccc ggagctggcg 120

cgcgtgtgca cgtgggtggt ggggctgtgc tgggcccagc catggactac atggccatgg 180

acagaagctg aactgatgat gaccttcgac caccatatgc taataatgcg cataatagga 240

gtataacagg cagcggacgt gccagtggta atggcagagc tattgctcct gtcagtggta 300

atggaagggg cattgctcct gccagctcgt accctagagc ccagaccgat atggaaacac 360

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ctgatgccct cacatgggag aaggagggtc tgattactga ac 462

<210> 8170
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033d09b1

<400> 8170

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cagatggtca agggacacct ttccttttc atcatggtag aaatgctgca agttcaacaa 120

gtggtgcatt catgcgtatg ttcaaaggat ccactagttc tggagaagat tatgagttcc 180

caagagctat agcgtttgct gcttcggcaa tccgtagttc agctattgtt gctgtcactt 240

gtgacaaaga catcatcact ggtgggcatg cggactgttc ggtgaagttg atctccccag 300

acggagcaag gacaattgaa agtgcttctg ggcatcttgc tccagtaacc tgccttgcac 360

tttcccctga tagcaactac cttgtgacag gctctcgaga tactacagtt atactctgga 420

ggattcatc 429

<210> 8171
<211> 283
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033d10b1

<400> 8171

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ttattgtccc agcggaccgg atgcagggtc accctgtacc aggacgcgca caccccggac 180

gcgttcgcgc ccaggatccc gctctggggc ggtcggacct accaagatgg acagagctgg 240

gaggacttgt tagacgccac tagtgacgcg cgccacctga tat 283

<210> 8172
<211> 389

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033d11b1

<400> 8172

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tgacggcgga cgaggacaag aagcccgcgg gcgacggtgg aggcgcccac atcaacctca 180

aggtcaaggg gcaggatggc aatgaggttt tcttccgcat caagagatcc acacagctga 240

agaagctgat gaacgcttac tgcgaccgtc agtctgtgga tctcaactcc attgctttcc 300

tttttgatgg tcgtaggctc cgtggtgagc agacccctga tgagcttgag atggaggaag 360

gcgacgagat cgacgccatg cttcaccag 389

<210> 8173
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033e01b1

<400> 8173

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gcacacggag cgcaatcaga agacatccta ctccatcacg ctccaggggg tggtcggccc 120

tgaccgcgcc ttcaccgacg tctgcatcgg ctggccgggc tccatgccgg acgatcaggt 180

gctcgagaaa tccatgctgc accagcgcgc cgcggcgggt atgatgcacg acgcttgcct 240

cgtcggcggc gcaagctacc cgctcatgga ctgggtgctc gtgccgtaca cgcaccagaa 300

cctgacatgg acgcagcacg ccttcaacga gaaggtcggc gacatccgca acgtggccgt 360

ggaggcgttc gcgcggctca agacgcggtg ggcgtgcctc cagaagcgca cggag 415

<210> 8174
<211> 456
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033e02b1

<400> 8174

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ctggcctcga gcgtcctcaa gtgcggcaag ggcaaggtct ggctcgaccc caatgaggtc 120

aacgagatct ccatggccaa ctcccggcag aacatccgga agctggtgaa ggatggtttc 180

atcatcagga agcctcagaa gatccactcc aggtctcgtg caaggagggc acatgaggcc 240

aagcagaagg gccgtcactc tggatatggt aagcgtaggg gtaccaggga ggctaggctc 300

cccaccaaga tcctgtggat gcggaggatg cgtgtcctga ggcgccttct gcgcaagtac 360

cgtgaggcca agaagatcga caagcacatg taccatgaca tgtacctgaa ggtcaagggt 420

aacatgttca agaacaagag ggtcctcatg gagagt 456

<210> 8175
<211> 487
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033e03b1

<400> 8175

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atcttccaag gctggtaaga agggcaaaga atctagtgat agctcagatt ctgactcaga 120

ttcagattct gaagaagata ccaccgctaa aacagtctct gtaaagaaag aagaatctag 180

cggcagctca gatagcgact cggattcaga ttctgatgaa ccagcaaaat ctactattcc 240

tgcgaagagg cctctgacaa cagagaaaaa gagtgaacat tccaaggatg attctgatga 300

tagttctgat gagagtgatg aggaagagcc tccacaaaag aagcctaagg attcatcttc 360

tggtgctgcc aagccagtct ctaaggctgc caagaaagaa agcagtgatg atgatgacag 420

ttctgaagag agctctgaca gtgatgagga aaagagtaaa tcggtgtcag tggcaaaacc 480

caagcag 487

<210> 8176
<211> 498
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033e04b1

<400> 8176

ctgccccctt tcgctgatcg ctggggcctc acaatcaatc ggctactccc ctctcctctc 60

gcgcgtggcg aattcccctc tccctctctc acgctgcagc gaccccggag gcgacgtcgg 120

cggccacagc ttgccgaaat ggcatcatct tcggacccat ggatgaaaga gtacactgaa 180

gcatctaagc ttgttgatga tataagctcc atgattgccg atagaagttc tcttccacaa 240

tcaggccccg aaattatgcg ccacacatca gccatccgga gaaaaataac cattcttggg 300

actagactgg atagctcggt gacattgttg tccaggattc ctccaaagtc actcactgac 360

aaggagatgc ataagcgcca agatgcactt tccaatttga aatctaaagc aaaacagatg 420

gggacaagtt tcaacgtgtc aaactttgcc aacagggagg atttgcttgg tcagagtaag 480

acagcagctg atgatatg 498

<210> 8177
<211> 461
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033e05b1

<400> 8177

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agccggccgc cgccgagatg cagccgcccg tcggctcccc caccgccgct ccccaatccg 120

aggtccagca cccgctgtct acccctgatc cttcctctcc ccccgctccc gcaccggcgc 180

cggacccggc cgatccgccc tcgtccgcgc ccgccctggc gccggtgcag ctgcagccgc 240

agcagcatcc caagaccgtc acgtggagcg agaagctcac gtccgagtcg cccacctacg 300

tgccggccgc cgccgccgcg gagtccagcc agtacgtctc ccgcgggccc gccgtctcct 360

cctacaaggg cgcggtggag gcgatgaagg acacgctgtc gaggtggggg aagtccatgg 420

cggagaccac cagcatggtc gagagcctca gccgcgacac g 461

<210> 8178
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033e06b1

<400> 8178

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tatggaggga ttctctcaga agtcaccaca gggttgggac cttgatgatc gaacaggagg 180

gtgcatcaga aatactccat tgcagtgcac tagcaagaag aacacgataa attcaacgga 240

caagttccac cccattgctc gtgttacatt gacctatgaa ccccgaagca tgggcaatgc 300

taccactcag agcgaatgcg cagaaactcg tctcggatcc tgctcctgca ctgcttacac 360

ctataacagt agcgggtgct ctatctggca tggggaattg ctt 403

<210> 8179
<211> 484
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033e08b1

<400> 8179

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gccgacagcc gaggcagtcc accaccgcgc catggcgccg cccccgagca ccagcgcccc 120

cgacggcggc ctggatccca gggacgtgtg cgtcgtcggc gtcgcccgca cgcccatcgg 180

cgccctgctc ggctccctct cctccctccc cgccaccagg ctcggctccg tcgccatcca 240

gggtgctctc cggcgagcca gcgtcgaccc ggcgctggtg caggaggtgt tcatgggcaa 300

cgtcctcagc gccaacctcg gccaggcccc cgccaggcag gccgccctcg gcgccggcct 360

gcccaacacc gtcccctgca ccaccgtcaa caaagtctgc tcctcgggga tgaaggctgt 420

catgcttgct gtgcagtcga ttcagctggg gatcaacgac gtcgtggtcg ccggcggcat 480

ggag 484

<210> 8180
<211> 457
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033e09b1

<400> 8180

cttacgcgtc cgctcacctc ctggtccttc taccgggcgg ggatcgccga gttcctggcc 60

accttcctct tcctctacat ctcggtgctc accgtgatgg gcgtggtggg caacccgtcc 120

gggtccaagt gcggcacggt cggcatccag ggcatcgcct ggagcttcgg cggcatgatc 180

ttcgtgctcg tctactgcac cgccggcatc tccggcggcc acatcaaccc cgcggtcacc 240

ttcgggctgt tcctggccag gaagctgtcg ctcaccaggg ccgtgttcta catcgtgatg 300

cagtgcctgg gcgccatatg cggcgccggc gtggtgaagg ggttccagac cacgctgtac 360

cagggcaacg gcggcggcgc caactccgtc gcgcccgggt acaccaaggg ggacgggctc 420

ggcgccgaga tcgtcggcac gttcgtgctg gtgtaca 457

<210> 8181
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033e12b1

<400> 8181

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tgtatggagg gattctctca gaagtcacca catggttggg accttgatga tcgaacagga 180

gggtgcatca gaaatactcc attgcagtgc actagcaaga agaacacgat aaattcaacg 240

gacaagttcc accccattgc tcgtgttaca ttgacctatg aaccccgaag catgggcaat 300

gctaccactc agagcgaatg 320

<210> 8182
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033f01b1

<400> 8182

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tcgccagcgg cgcacccacc aaccaccccc acccgccgcc atgagggagt gcatctcgat 120

ccacatcggc caggccggca tccaggtcgg gaacgcgtgc tgggagctgt actgcctcga 180

gcatggcatt cagcctgatg gccagatgcc cggtgacaag accgttgggg gaggtgatga 240

tgctttcaac accttcttca gcgagactgg ggctgggaag cacgtccccc gtgctgtctt 300

cgtagatctc gagcccactg tgattgatga ggtgaggact ggcgcttacc gccagctctt 360

ccaccctgag cagcttatca gtggcaagga ggatgcagcc aacaacttcg cccgtggtca 420

ttacaccatt ggcaaggaga ttgttgatct 450

<210> 8183
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033f02b1

<400> 8183

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ggactgccgc cgccgcccga gatggcgatc cgccgtgggc cctcctgcgc cgccctcgcc 120

ctgctcgcgc tggcctccgt cgccgcggtc tccgccgacg tcttcttcca ggagaagttc 180

taagatggtt gggaaagccg gtgggtcaag tctgagtgga agaaggatga gaacatggct 240

ggtgaatgga accacacatc tggaaaatgg catggagatg ctgaggacaa aggtatccaa 300

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gacaagacac ttgtgctgca gttca 385

<210> 8184
<211> 446
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033f06b1

<400> 8184

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cgccgcctcc cggcagcgtc gtccccccat ggcgctgccg aaccagaaca ccgtcgatta 120

ccccagcttc aagctcgtca tcgtcggcga tggcgggact ggcaaaacca cttttgtgaa 180

gaggcatctc actggagagt ttgagaagaa atatgagccc actattggtg ttgaagttca 240

cccattggat ttcaccacta actgtggaaa gatccgtttc tactgctggg acactgctgg 300

gcaagagaag tttggtggcc ttagggatgg atactatatc catggtcagt gtgcgataat 360

catgtttgat gtcacttcaa ggctgacata caagaatgtt cctacgtggc acagggactt 420

gcgcagggtg tgtgagaaca tcccca 446

<210> 8185
<211> 451
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033f08b1

<400> 8185

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acggaatccg gccggattgc gcgtgaattc agagcagtcg aggcatgcca taagaagagc 180

aggggagca aatgtggcgt ctcttcaacg agctgtggga cgttctagga tccgggtttt 240

tctcgtccag gttcctataa gcctaacaag tcagcgactc gcctctcccg tcgcatcaaa 300

tcaagtccat ccatccattg catcggtcca tctggtcggt cggcatggac gaggaggatt 360

actcgtgggt gcggcggacg aggttctccc actccgtcgt ccgctccaac tccggcaggg 420

agcagttcgg cgccttcgtc gagcagttca a 451

<210> 8186
<211> 421
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033f09b1

<400> 8186

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acacaaggag gcgggttgcc agcagccgga gggcccaatc ctatgcgtta ataactgtgg 180

cttctttggc agtgcggcga ccatgaacat gtgctccaag tgccacaagg agatggtcat 240

gaagcaggaa caggccaagc tggctgcctc ctccttcgat agcatcgtca acggtggcga 300

cggtgggaaa gcacctgttg ttgcggctgt agccgcgagc gcagaggtgg tggttgctca 360

agttgacgtg aaggcgctcg ttgtgcagcc tgctgctgat gttgcaggca ccagcgaagc 420

t 421

<210> 8187
<211> 462
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033f10b1

<400> 8187

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agcggatctt cggcgccggc gggatgggcc agccgccgtc ggactcgccg ttgctcgact 120

cctccgagca ggtctacatc tcctccctcg ccctcctcaa gatgctcaag cacgggaggg 180

ccggcgtgcc gatggaggtc atgggcctca tgctcggcga gttcgtcgac gactacacgg 240

tccgggtggt cgacgtcttc gccatgccgc agagcgggac gggggtcagt gtcgaggccg 300

tcgaccacgt cttccagacc aatatgctcg acatgctcaa gcagaccggc aggccagaaa 360

tggtggtagg gtggtatcac tctcatcctg gctttggctg ctggctatcg ggtgttgata 420

tcaatactca acagagtttc gaagctttga accccagggc ag 462

<210> 8188
<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033f11b1

<400> 8188

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ttcttcaacg ggaaggagct ctgcaagagc atcaaccctg atgaagctgt tgcctacggt 180

gctgccgtcc aggctgcaat ccagcggtga ggggaacgag aaggaacacc accatcccca 240

ccaagaagga gcaggtcttc tccacctact ccgacaacca gcctggtgtg ctcatccagg 300

tgtttgaggg tgagaggaca aggaccaggg acaacaacct gctcggcaag tttgagctct 360

ctggcatccc gcctgcgccc aggggtgttc cccagatcac tgtctgcttc gacattga 418

<210> 8189
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033g01b1

<400> 8189

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caagaggtct ttcaagtacg cctgggtgct tgacaagctg aaggccgagc gtgagagggg 120

tatcaccatt gatattgccc tgtggaagtt cgagaccacc aagtactact gcaccgtcat 180

tgatgctcct ggtcaccgtg acttcatcaa gaacatgatt actggtacct cccaggctga 240

ctgtgctgtg ctcatcattg actccaccac tggtggtttt gaggctggta tctccaagga 300

tggccagacc cgtgagcatg ccctccttgc tttcactctt ggagtgaagc agatgatctg 360

ctgctgtaac aagatggacg ccaccactcc caagtactc 399

<210> 8190
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033g02b1

<400> 8190

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cggcgtacct cttccccgtg cccgacggcg cgaccttctc ctacgggacg gtgggattcc 180

gtgccgacgg gagcaccatg gcccccgcgg tgtgccgcgc cggaatcgtg gcagcgctgc 240

gctccgtgaa gctgggcggc gccgccgtcg ggctggtcat cacggcgtcg cacaaccccg 300

tcggcgacaa cggcgtcaag atcgtggacg ccgacggcgg catgatgtcg c 351

<210> 8191
<211> 452
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033g03b1

<400> 8191

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ttgcgatggc ggttatgagt tggaggaatc tgaacatgca cttgttcaat ctacaataca 180

caatctcagt tctttgagtt ccaagataag caaggctgca ttaaaaaatg atgatgtaaa 240

tggaaactgc tgccaaacaa aatcagatac aaggtgccat ggaaagaatc atcagcctca 300

gaagtttgat ggacttgact gggagaacat tggtgcagat tttaaaacat ttattttgga 360

ggatcttact aaacttccag aagagaatgt cattggtgat actaaagatg cacaaatgct 420

gatatataag aatctatgga ttgaagctga ag 452

<210> 8192
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033g04b1

<400> 8192

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ctcgcggggt gtgtctttca gctggcatac cacccctgac tgggctcccc gtcgcctcgg 180

cacggcagca ggcggcgctc cccgtcagcg cggtatggca gcaggcggat ccggcgagat 240

cgcagacgct ccccttactc ctgccggaga aaaagtccgt ctccttctgc tagatgggac 300

aggagccagc cc 312

<210> 8193
<211> 266
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033g06b1

<400> 8193

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gagctgctga tcaatgagcc tatccttcac gtcaagatgc agatcgcggc aattcacgct 180

ggacaaaggc aaccatcacg agcgcaagaa cctgcaagag gaagggaaga ccaccctgga 240

tggcatgact gatgtggatc caacag 266

<210> 8194
<211> 427
<212> DNA
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<223> Clone ID: uC-tsrow189033g07b1

<400> 8194

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tgcatgcttt gagttctatg ctggtctggc tgaagcctta gatggtaaac aacatgcgcc 120

aatctctctg cccatggaag aattcaagac ctatgttctt aaagaaccca tcggggtttt 180

tggactcatc actccctgga actatcctct gttgatggct acttggaagg ttgcacctgc 240

cctggctgct gggtgtacag ctgtgttaaa accatctgag ctggcttctc taacttgctt 300

agagctcggc gcaatatgtg aagaggtagg actgccttca ggagttctga acataattac 360

tggtctgggc cctgatgctg gtgctccaat agcttcacat ccccatgtgg ataagattgc 420

ttttaca 427

<210> 8195
<211> 452
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033g08b1

<400> 8195

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tcgaccagcg ccgcccgtcc ttccggcgcc gctggcagca gcgcccgctc tgggcccgcc 180

tcctgctctc gctcctcctc gccctcgcct gcgccctcct cctcctcggc ctcgccggct 240

cccccgaccc ctcctccccg ccctccaccg acgcctcctc ctccggatcc gccgacgccg 300

acgccgatgc cgtctcctcc cctctcctcc gccagagatc ttacctcgag gttatcacgg 360

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accagatttc tctcgcaaag acctacatca cg 452

<210> 8196
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033g09b1

<400> 8196

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ccaccggaag gtgctccgcg acaacatcca gggcatcacc aagccggcga tccggcggct 120

ggcgcgcagg ggcggcgtga agcgcatctc ggggctcatc tacgaggaga cccgcggcgt 180

gctcaagatc ttcctcgaga acgtcatccg cgacgccgtc acctacaccg agcacgcccg 240

ccgcaagacc gtcaccgcca tggacgtcgt ctacgcgctc aagcgccagg gccgcaccct 300

ctacggcttc ggaggctagg ccgagggttc atcgatccag ctcgcgacgc cgccgtccga 360

ccgagagtag tagtgctatc tatctag 387

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<211> 447
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033g10b1

<400> 8197

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cgcgcgtggt gtctcgttcg ccgccatacc accgtcggcg gcgctccccg tcgccgcggt 180

acggcagcag gcggcgctcc ccgtcgccgc ggtatggcag caggcggatc cggcgagatc 240

gcagccgctc cccttactcc tcccggagaa aaagtccgtc tccttctcct agatgggaca 300

ggagccagtc cccgattcct aggaggcgta gaagccctgc atcaccgatg agacatagaa 360

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ctgaacagaa cagtttaata gaaaaac 447

<210> 8198
<211> 537
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033g11b1

<400> 8198

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gagctgcgga tcaatgagcc tatccttcac gtcaagatgc agatcgcggc aattcacctc 180

gacaaaggga accacaagga gtgcaagaac ctgctggagg aagggaagac caccctggat 240

ggcatgactg atgtggatcc aacagtccac gctagcttct actgtatatc gtctcagtac 300

cataagtcgc tccaagagtt tgctgagttc tataagaacg cacttctcta tctggcctac 360

acaaccgtag ggtccctctc agagtcattc aagctggact tggcatttga cctttccctt 420

gcagccttgc tgggggacaa catctacaac ttcggggaat tgttagctca ccctattatc 480

aatagtctta ttgggaccaa ggtggagtgg gtctatcaca tgttacaagc gttcaac 537

<210> 8199
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033h01b1

<400> 8199

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cttctctaac ttgcttagag ctcggcgcaa tatgtgaaga gataggactg ccttcaggag 120

ttctgaacat aattactggt ctgggccctg atgctggtgc tccaatagct tcacatcccc 180

atgtggataa gattgctttt acaggaagta ccgcaactgg taagacgata atgaccgctg 240

ctgcccaaat ggttaagcct gtttcattag agcttggtgg caaaagtcct cttgttatct 300

ttgatgatgt tgctgacatt gacaaagctg ttgaatgggc cgtgtttggt tgtttttca 360

atagtggtca agtttgcagt gcaacttctc gtctacttct ccatgagaaa a 411

<210> 8200
<211> 408

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033h02b1

<400> 8200

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atggcggcga aggaaccgat gcgcgtgctc gtcaccggcg ccgcaggaca aatcggatat 120

gctcttgttc ccatgattgc caggggagtt atgcttggtg cagaccagcc tgttattctg 180

catatgctgg atattgaatt tgctgctgaa gctcttaaag gtgtcaagat ggagttgatt 240

gatgccgcat ttccacttct caagggagtt gttgcaacaa ctgatgttgt tgaggcctgc 300

actggtgtga atgttgcggc tatggttggt ggattcccca ggaaggaagg aatggaaagg 360

aaggatgtta tgacgaaaaa tgtttcaatc tacaaagctc aagcatct 408

<210> 8201
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033h03b1

<400> 8201

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ttgatatgtt gcgcaggcaa tccctccgcc cagataacat caagatgttt gtgttggatg 180

aagctgatga gatgctttca cgtggtttca aggatcagat ctatgatatc ttccagcttc 240

ttccatcaaa gattcaggtt ggggtgttct ctgctaccat gcctcctgag gcccttgaga 300

ttacccgcaa gttcatgaac aagcccgtga ggattctcgt caagagagat gagcttaccc 360

ttgagggtat caagcagttc tatgtcaa 388

<210> 8202
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033h04b1

<400> 8202

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agccgcccaa ccactccgac caaggcgcac cgtaccatca cacgctcgac gggttccgac 120

gtctagcgac gatcctctgc tggtgctggt gctgcagggg gctccgcccc gcggctgagg 180

ggcacgacca gcatcaagag gggggcgaca acgcggcggg agctgcgaca catgcctctg 240

cgggggac 248

<210> 8203
<211> 184
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033h05b1

<400> 8203

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tctgcactca acccaatgcc ctgtcagctt cgatgtatgc agtatgcacc cagaagaaat 120

atctctccag agtggcctcc tatggagcgg gcgctctctt tggattgctt gatccttcga 180

gcta 184

<210> 8204
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033h06b1

<400> 8204

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gtcccaatga tgtcatcttc tccattgatt gccaatgcac cccctgagaa gaaaggtgtc 180

aagaactttg cgattgactt cctcatggga ggagtgtcag ctgcagtttc caagactgct 240

gcagctccta ttgagcgtgt taagctgctt atccagaacc aggatgagat gatcaaggct 300

ggcaggctct ctgagccata caagggtatt ggtgactgct ttgggcgcac catcaaggat 360

g 361

<210> 8205
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033h07b1

<400> 8205

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aacgatgagg gcatgcccat gtaccagagg ccgttcatga agggcaagct gtacatccac 180

ttcacggtgg atttccccga ctcgctgaac ctggaccagt gcaaggcgct cgagactgtc 240

ctcccgccca agccggcgtc gcagtacacg gacatggagc tggacgagtg cgaggagacg 300

atggcctatg acatcgacat tgaggaggag atgcggaggc ggcaacagca gcaggcacag 360

gaggcctacg acgaggatga ggacatg 387

<210> 8206
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033h08b1

<400> 8206

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aagtttgagc tcggtggtag aattgctcaa tgagatcgtg aataggagca tgattcaacc 120

aattgacatc aatgttgata aaggcatgga aaaatcttat cgtatacatg atatggtgat 180

tgatttcata tgctgaagaa aaacacttct gtggcatgga gtgaaagcgg tctatccaaa 240

ggcaagatgt gaagattatc catctgaaag agcatgacag gtagcagcga tgtgacaatg 300

aggtctcttg caattgttga ttcagtgtag cttatgttga attttccaag ttctacatgc 360

gctggattag aatattgtgc tgcatgtctc tattctttgc aatcacaatg a 411

<210> 8207
<211> 131
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033h12b1

<400> 8207

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ccatcctatg agaggcgctt caccacaagc agcttcatga ctcagaacct tggcataagt 120

gtcccaatga t 131

<210> 8208
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189034a01b1

<400> 8208

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tatcttgtct acaaatgaca aaacaatcaa gtactggaag gtgcaagaca aaaaagtgaa 120

acggatttca gtaatgaatt tggatacttc ccagagtgca gacaatggga caacttctag 180

ttcgagtacc aatagctcta gaggtcttcc taatggagga tcctcagaaa agtcatacaa 240

ttgtgcaaac aatgatctgc cattccctcc tgggggatat gcatcattgc gtttgcctgt 300

ggttacaggc caagagttaa accctgtcgc tagatgaccg cgtgtatatg cacacgccca 360

tgattaccat at 372

<210> 8209
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189034b09b1

<400> 8209

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cagtcaatct tcaagttcaa tgacctcaac gaggtgatca agagggcgaa cgcaagccag 180

tacggattgg ctgccggtgt tttcaccaac aacctggaca cggccaacac cttgacgcgt 240

gccctcaggg ccggcacggt ctgggtgaat tgctttgaca tcttcgacgc ggcgatcccc 300

ttcggcgggt acaagatg 318

<210> 8210
<211> 220
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189034d09b1

<400> 8210

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gctgcttcgg caggcgaggc cggagtggaa ccccgccatg atcaagtatg gcctgatgac 120

caccgcgtac aacatggaca gcgccggtgg tgtcatccgc gacatgtgca ccggccaagt 180

gatcacgcta ttcgcacgag gggctagaca cgtgcacccc 220

<210> 8211
<211> 241
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189034f03b1

<400> 8211

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cccggctaca cctacctctc gcccattctc gggctgctgg tctacgacgc tgccaacttg 180

tcagcggtgg ggttgtctga gctgagcatc gtcgcgtcag ggagcccgat ttctgtgagt 240

t 241

<210> 8212
<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189034g06b1

<400> 8212

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cttgacataa gacctctact gttcattttc gttgaagaca atgctacctt tattagcctg 180

ttccagattt gagagtttca tgtgggcacc aaatcagcat ggatcttgct ctgcctgcct 240

gtttatttgt attgtaagtt tgtaactgaa atgagctgca agcctgcaaa agtactgccc 300

atctagtgtt gtgatgatta tcatgtggat gcttggttct gaaacttaaa gcagccacag 360

atcaagggta gagggtctga acca 384

<210> 8213
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189034g07b1

<400> 8213

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cggatccagc cgagggcttg ttcttaatcc gctgcccatg aggatcacag ggggttgaaa 120

atccacgcca aactgaacaa ggtgaggatg tcaacatctt cgaaagtgga tcagaggaga 180

ttagagagca tcgaggggat tttgagttgc ggcggacttg atccccttcg gtcctcttta 240

atccacacga aacagaaggc ctagaggata tccacgtctc tgaatcagca tatgcaaatt 300

caaccgccca agaattacca gggcaccaag tacgtccgag ctggttgttc cacgttttat 360

ccggagtttc cagatgactg gtataacatc gaggaccctt ccatgcccaa ggaca 415

<210> 8214
<211> 425
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189034g11b1

<400> 8214

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aacaagtacc accatgatgt cgacttcccc cgaggccacc ttgcagtcaa gagctttgat 240

gcagaggtcg tcgatgagaa tggcgtccct gtcccgctcc atgagactta cctgcatcac 300

tgggttgcag aaccatacta tgctctgaag aacagtcaga gccccgatac gcaaaatctt 360

ccaaaaggga tgcttaaaag gaatgatgga gtgtgcaaga ccacactagg ccagtacttt 420

gggct 425

<210> 8215
<211> 456
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189034g12b1

<400> 8215

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gcggccaggg cgatctcgtc tgagcaggag catacccccа tggtcgccgc gctgctgcac 180

gtcatctcag ggtataccac gccggtgccg gacttcttct tcccagcgag caaggaggtg 240

tgcacggcgt gcgggatgga tgggtgcctc gggtgcgagt tcttcggcgc gggggccagg 300

ccggcgatcg caccgaaggc gacggtgggc gggccgcaga ggaggcggag aaacaaaaag 360

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ccgcgccgcg ccgtgcgggt gtgactcggg accttc 456

<210> 8216
<211> 173
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189034h01b1

<400> 8216

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gctggtttga tgaagcccct ttcaaggatt tgtttatttt agcaacttca cac 173

<210> 8217
<211> 146
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189034h02b1

<400> 8217

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gaggagcggg ttgttgtcat ggcggg 146

<210> 8218
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189034h12b1

<400> 8218

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cgtactgctg ttggtactca tggtgctaga ccacattcta gtgttgaagg ccgtggccat 120

tttaatcaca cttggcaaaa tcatcagacg tttggtacga gagaaaacac aagtatgcca 180

cacggcgttg ggcccagaac ttttgtcaga ccaatggcac atctgccccc tactcttggg 240

tacctcaatg gaccatcata ccctgggcct atgcctacca tgtattatta catgcctgct 300

ccacccatgg aggcaatgag aggtccacct cgttttgtcc aaaaccaacc agccccccaa 360

cctgttttat cgcctgaagc gactgagcta agagctaata tattagctca agtggagtac 420

tatcttagtg atactaa 437

<210> 8219
<211> 270
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035a01b1

<400> 8219

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ctacggcaag gactacggcc gcctcgtcgt catcgtcgac gttgttgacc agaacagggc 180

acttgttgat gctccggaca tggttcgctg ccagatgaac ttcaagcggc tctctctgac 240

cgacatcaag attgacatca agcggatccc 270

<210> 8220
<211> 186
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035a02b1

<400> 8220

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acggcgacgt taggaagtcc ggagacgccg gcgggggcct cgggaagagt tatcttttct 120

gcttaacggc ctgccaaccc tggaaacggt tcagccggag gtagggtcca gtggccggaa 180

gagcac 186

<210> 8221
<211> 89
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035a04b1

<400> 8221

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tctggaatcg ggcgaggcct gcagctcct 89

<210> 8222
<211> 266
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035a05b1

<400> 8222

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actatccagt ttgttgactg gtgccccact ggctccaagt gtggtatcaa ctaccagcca 120

cctggtgtcg tcccaggcgg tgaccttgcc aaggtccaaa gggctgtgtg catgatctcc 180

aactccacca gtgttgtcta ggtcttttcc cgcatcgacc acaagtttga cctgatgtac 240

gccaagcgtg ccttcgtcca ctggta 266

<210> 8223
<211> 239
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035a07b1

<400> 8223

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gatctctatg gtctgttgct gatctgcagt taagttatgt attagggccc ccttctaggg 180

agaggatctg tatgattatg gatcgatcct gttcgtcttc cgtggttctt tcttaagcc 239

<210> 8224
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035a08b1

<400> 8224

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agggccaagg acgagccgca ttgtagactg cctggactca ctcatgaagc cagcgtttgg 120

acagattaga tgttgcgtaa acagtttagt ttcggatatc cggatcggta tcgcggcatg 180

gccgctcttt tctaccttct cttagatcac attgtatcac tcaccatgtc ctgtcaacat 240

gacccaccgt tcttgtacaa gtttgtgggt gtgggtagag ctgtagacag tttggcacaa 300

cct 303

<210> 8225
<211> 251
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035a10b1

<400> 8225

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cactatccag tttgttgact ggtgccccac tggcttcaag tgtggtatca actaccagcc 120

acctggtgtc gtcccaggcg gtgaccttgc caaggtccag agggctgtgt gcatgatctc 180

caactccacc agtgttgtcg aggtcttttc ccgcatcgac cacaagtttg acctgatgta 240

cgccaagcgt g 251

<210> 8226
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035a11b1

<400> 8226

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ggtcgtcgcg gctccaatgg tgaccaggtg gagccagaag agccccggcc tcaagatcct 120

gtggatctgg acactgggca ccgccgcgat catgatcacg aacgtcgtcc ggacgcgcgt 180

caacgatatg cagatgatcc tccgggagga agacgaagcc gtcggctctg gcggcggcgg 240

cacgggcggc gggccctccg gcgagcgcgt catgagggac gacgagttga attgagcagc 300

aagtgaagaa gagttcgctt gagcttgagc gactctacat agcaaaattc gcggaagcc 359

<210> 8227
<211> 398
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035a12b1

<400> 8227

gcgattacac accagcacgc ggcacgcgcc cgagacgctc gtacgggccg gcgcacccta 60

gccgggccgc gatgcccacg gctaacgtgc gcgcggcgca gactagcgcc gaccgcaggt 120

taagtacgct ggtgcgccac ctgctggctt cttgcccacg aacatgagca gcgaccgcca 180

cctccgccga ctcgctccaa cctttcccca ccatggcagt cgccctccgt cttcgccggg 240

atcgcgcagg gcccggagga ccccatcctc ggggtgacgg tcgcgtacaa caaggatccc 300

agccccgtca aggtcaacct cggcgtcggc gcctaccgga ccgaggaagg gaagcccctc 360

gtgctgaatg tggtcaagcg cgccgagcag atgctgat 398

<210> 8228
<211> 307

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035b02b1

<400> 8228

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ccgccgcgcc aagagtgccg tggaggttgt ggagacattg gcgcccaaca tggagaccgg 120

ggagtctgac ccggcagctg atcctggaga tagcccgcac ggcattgagg tcggcatcga 180

gttcaagccg gtggagcacc ctgtggagcc tgtcaacctt gaccaaccag tgaaatgccc 240

gctttctgag ccatctatac tgcatgatgg gaggatatgg caagagagga tgtctacagc 300

gggcggg 307

<210> 8229
<211> 188
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035b04b1

<400> 8229

tgtttaggtt gaggcgacca aggaggaggc gccgggcgcc gctgagacgg aggaggccaa 60

ggagaccgag ccagcagctg ctgtctagcc ggatgccgag gcgcccaaag agccagaggc 120

gccagccgtg gtcgagacag agaccaagga ggccgtggca gaggccgagc cggcggtggt 180

cgatgagg 188

<210> 8230
<211> 166
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035b05b1

<400> 8230

tgtaaagggc tcatgcctag cgccagccat gggtctgcaa tcgaggtgct atccaggatc 60

acgatcccca catgcgatta tatccccggg aatcctgaga caaggctgtt gatgcgcatc 120

acaggtctgc tcccatggct cgggttgcag ctcaccaagg acgtat 166

<210> 8231
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035b07b1

<400> 8231

tgcctcctct cttcgccgct cccgctccgc cgccgcgcca ccgccgtcag ccatggcacc 60

gaagaaggag aaggccccgg cggcgtcgtc gaagccggcc aagtcgggcg gcgggaagca 120

gaagaagaag aagtggagca agggcaagca aaaggagaag gtgaacaacg cggtgctctt 180

cgaccaggcc acctacgaca agctgctcac cgaggtgccc aagtacaagc agatcacgcc 240

ctccgtcctc tccgagcgcc tcaggatcaa cgggtcactg gctcgcaggg ccatcaagga 300

cctgatggag agggggctc 319

<210> 8232
<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035b09b1

<400> 8232

tcccacgcgt ccgcaccact gcactacact ggtgcggtac agaggaagca gcagaggagc 60

aacgcacgaa cgagctggcg gcatggcgag gccgtacatc tccctgcacc tctggctggc 120

cgtcctggcc atggccgacg ccgcgtccga ggccgggttc tacgaccagt tcgacgtggt 180

cggctccggc aacaacgagc gcgtgaacga cgatggcctg gcccagcagg tggcgctcac 240

gctcgaccag ggcaacggcg gctccggcta cagctccaag gacaagtacc tctacggcga 300

gatcagcgtc cagatgaagc tcatcggcgg caactccgcc ggcaccgaca cctccttcta 360

cctgacgtat ggggagggcg acagccatga cgagatcgac atcgagttca tgggcaac 418

<210> 8233
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035b10b1

<400> 8233

tgaaagggct catgtctagc gccagccatg ggtctgcaat cgaggtgcta tccaggatca 60

cgatacccac atgcgattct atatttggga atcctgagac aaggctgctg atgcacatca 120

caggtctgct cccatggctc gggttgcagc tcaccaagga cgtatcttcc ctcgggtcag 180

cttcgcctct acaagaacag aaccagaagg cctactatgt ggcatccaat atctcaggat 240

ggtgccgtgt gaaatctctt catgtcctag ccgaggtctt cagagcatac tcttatgggg 300

aaatcatctc actggaaga 319

<210> 8234
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035b11b1

<400> 8234

gttttgctgc ctccctcccc caccgccgcc gtcgccgccc gcgtccacca tggcgctgcc 60

gaaccagaac accgtcgatt accccagctt caagctcgtc atcgtcggcg atggcgggac 120

tggcaaaacc acatttgtga agaggcatct cactggagag tttgagaaga aatacgaacc 180

caccattggt gttgaagttc acccgttgga tttcaccact aactgtggaa agatccgttt 240

ctactgctgg gacactgctg ggcaagagaa gtttggtggc cttagggatg gatactatat 300

ccatggtcag tgtgcgatta tcatgtttga tgtcacttca aggctgacct acaagaatgt 360

tcctacgtgg cacaggga 378

<210> 8235
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035b12b1

<400> 8235

tctccagcca ccactttcaa gctcacaatc aagtcgatca cgacccacag gtcaagcaag 60

cttcgttgct agcttgcttg tccggcgatt tctgcttcat ctagctacca acgtgcggag 120

atgccgaggt cgtccaagaa gaagcagcgg tcggcgtggg gctcgctcct gggcagctgc 180

ctgggcgggg gcggctggaa gacggggaag caggtccggc ccggccccgg cccgaggaag 240

cgcgagtcgt cgtcggcggc ggtgggggcc ggagtcgggc agcggctgtc gttcacggac 300

gtgatgagca tgagcgcggc gtcggagcag gagctgtccg tgtcgctggt tggctccaac 360

ctgcacgtgt tcacggtcgc 380

<210> 8236
<211> 277
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189035c01b1

<400> 8236

tccttgttcc attctcttcc tccgggagcg ccgccgcttc ctcatctctc acctctcggc 60

tcgggagacc gaagcgaaac cccaaggaac tatagtccca gtgtgacatt caaaagcagt 120

caagatggtg aagttcacag cggaggagct ccgtggaatt atggataaaa agaataatat 180

tcgcaacatg tctgttattg ctcatgttga ccacggcaag tctacgctta cggattccct 240

tgtggcagct gctgggatta tcgcccanga agttgct 277

<210> 8237
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035c02b1

<400> 8237

tgtgcatagc tggcaactat ctctatgcgt ggcggatggt ctctgggctg ggctagtcat 60

tggatttatc acagagtact acacaagcaa tgcatacaga cctgtgcagg atgttgctga 120

ttcctgcaga actggagctg caaccaatgt catctttggt cttgctctgg gatacaaatc 180

agctattatc cctatcttcg ccattgcctt cagtattttc ctcagcttca gccttgccgc 240

gatgtatggt gttgctgtgg ctgctcttgg aatgctcagc acaattgcga ccggtcttgc 300

cattgatgcc tatggcccta tcagtgacaa cgctggaggc attgctgaaa tggctggcat 360

gagccacaga atacgtgaaa gaactgatgc tctggatgct 400

<210> 8238

<211> 379
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035c03b1

<400> 8238

tgtgatacat cctttctctg tctacttcct agtacctgga gactactcgc tgcaatcttc 60

ttctgttata attgacgcta cggatgttct tcgtgctcgg gcaaaggcag agtccccgga 120

tgaacctatt ctatgccgcg gatccccatt ccatatccat gtagttggta cagagtagca 180

aacactgttt ggtgtagttt agaggcagcg atttcaccat gacatgtgca gctgtgaaga 240

tcatgtacaa gagcattatt cccatgtaca cttgtgattt atttgagcca cttggaggct 300

tcctttgtaa tacacttgtg tttgtgtaca gtgtaaaagc atccgccaag gttaatatgg 360

tgcactggtg cacttaacc 379

<210> 8239
<211> 342
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035c06b1

<400> 8239

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tatcggatct accatcagag acaagattat tccacatgct gtttcatggt tcactggaga 120

ggccgctcaa gatgaggact ttgacggcat catggatgat gatgaagatg atgacgaaga 180

tgatgaggag gatgaagatg aggatgagga tgacgaggaa gatgaagatg atgacgatgg 240

tgataagaag aagggtgggc gagttcctgc aggggaaggt caggcagggg agcggcccgc 300

ggagtgcaag caacagtgag gtccttccca gatgaagact at 342

<210> 8240
<211> 334
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035c07b1

<400> 8240

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aggctcggga ggagcgacga tggcccgccg ctgcggctgc cccgtcggcg ccgcgctcct 120

cgccctctcc ctcgccgtcc tcctcgccgc cccggccgtc cccggggccg ccgggttcca 180

cctcggcggc gacgagagcg gcctcgtgcg gggcatgctc gccgccgtcc gcgagcgggc 240

cgaggccgag gacgccgcgc gcttcgccgt cgccgagcac aacaggaagc agggttctgc 300

attggagtta cacgagttgt gaatgcaaaa aggc 334

<210> 8241
<211> 219
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035c08b1

<400> 8241

tccgactcca tggacgctcc tgacgtgttg cagtccgact ctgaagagcc ttctgaagag 60

gagcctgcct cctcctcctg atagttcaga gagaaaatgc ctctgtgtat ttattccctg 120

atgaatgtgc tccagattca gaaatagcat tagcaggcaa acaattgttc agatgagaca 180

tttgagatga tctgcaggtt gcgggtgaca catcactga 219

<210> 8242
<211> 441
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035c09b1

<400> 8242

tgcggcagca acagcaatag cagcaatacc tgcagctgca gcccaccacc aaccgcgcca 60

cgccatttac caccatataa tcatcacccg cccccaggct tgtcgggagc gaagccaagc 120

cagtcttgtg ttggaagaac gcctcaccat ccatcagagc agctcggctt gcagatcgag 180

agtgagggag tgagaggcaa tggcgacttc gttccagggg acgaccacca agtgcaacgc 240

ctgcgacaga cggtgtacct cgtcgacaag ctcaccgccg acaaccgggt ctaccacaag 300

gcctgcttca ggtgccacca ctgcaagggc accctcaagc tcgcgaatta caactcgttc 360

gaaggagtgc tctactgcag gcctcacttt gaccagctct tcaagaggac cgggagcctc 420

gacaagagct tcgaaggcac t 441

<210> 8243
<211> 392
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189035c10b1

<400> 8243

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gccgcagaga ccgcggtcgc cgtggtcagc accgacggcc acctcgtcgg cgagatctcc 120

accgcgcacc tcgctgcctg cgacgagacg gcagccgcgg ccatcgccac gctctcggcg 180

gccgacctca tggcatacat cgactacttc ggctcgccgc cagagcacat cctgcgcgcc 240

atcaagaccg ggctcaaggc caagggcctt gacgccatgc ttgagctgat ggaggacgag 300

acngatgacg tcgttctccc tctcttcctc gtcgtcagat gacgacaccg gccggccgca 360

cctgaggcgc ccgtcgtcgg ggagctttgg gc 392

<210> 8244
<211> 490
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035c11b1

<400> 8244

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ggcggttgta aaagaggaag catccggcaa caacggtgct gattggtttg acccaggcat 120

aggcatgggg aacctgccgt cccttcggaa ggttaaagtc agagtcgact ctcataaaat 180

gacggtcggg gaggccaagc aagccaaggc agcgctggag aacgcactcc gtgcccatcc 240

taaccgtccc ctgttttgcg tcgagttcag gtggtccata aaagaaggcg ctcatgatga 300

cgacctctgc tagtgtggtc gcagcgaaga acgttcgtgc aggccgtcaa tgtttactgg 360

agacgcgctt ttgcaaacta tatgcgtagc gcatgctgca atattgatca acgctcgtta 420

ctcactgagc ttatttcttg gcttcacaaa aaaaatggaa aaattgtatg aaaaaaaaac 480

aaacaaaata 490

<210> 8245
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035c12b1

<400> 8245

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gttcaagaac gagatcgagc tgctgtcccg ggttcaccac aggaacctgg tgagcctgat 120

cggcttctgc ttccagcaag gggagcagat gctggtttac gagttcgtcg ccggtgggac 180

gctgagggag aaccttgttg ttagagggac gtacttgggc tggaagaaga ggctgaggat 240

cgcgctcggg tcggcgaggg ggctggcgta ccttcatgag ctcgccgacc cgccgatcat 300

ccaccgcgat atcaagtcca ccaacat 327

<210> 8246
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035d01b1

<400> 8246

tgcttaatta ccctgacaga cattgttagg tcttgtgtta gtgaagctag ctaggtaaga 60

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tgctctccgg cgcctcgtgt tctcgccact gaccccaccc agctccagga cttctgcgtt 180

gctgatataa tgaaccctgt gattgtgaat gggttcgtgt gcaagaacat gaagatggta 240

acggcgaacg acttcttctt gcccgggctt aacaagccgg gcatgttgaa cgctcagggc 300

tcggcggtga caccggtga 319

<210> 8247
<211> 212
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035d02b1

<400> 8247

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ttaccctgat ctgtaatagt atgatgtttc attgttacgt gtgctctcgt ggttcaagta 180

gcaggaccgg ctatgttatg agtttttgac aa 212

<210> 8248
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035d03b1

<400> 8248

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gctacgtgga aagctgatgg aacacgatac atgatgctta taatgcggga tggctgtttc 120

ttaatagacc gaaacttctg ctttagaaga gttcagatgc gttttcctat taggaatgtt 180

aacgatggtt tccacaactt tacattgatc gatggagaaa tggttgtaga cgccatacca 240

ggtggtggat tgaagcggag gtacttagcg tatgatctaa tggcaattaa tttctcctcc 300

aaagtcaagt tgccctttc tgacaggtgg aagctacttg aggatgaaat aattcgtcca 360

cgcatctatg agagaaagca gtttgaaact ggtctgaagg caatccatca tacagatatg 420

acctgga 427

<210> 8249
<211> 226
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035d04b1

<400> 8249

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cctgcctctt gcctgcctgc aggaaccgag aaaagaaatg gaggcggcgg tcggcggcag 120

ctggacacgc gtccgcacgc tcggccgcgg cgcgtccggc gccgtggtgt ccctcgccgc 180

cgacgacctc ttgggcgcgc tcttcgccgt caagtcggcg cccgct 226

<210> 8250
<211> 284
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035d05b1

<400> 8250

tacaaggacc ccaacttcaa taagattgag agtatgattg caagggaagc actcattcaa 60

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gcataatgct gagcccatca acagatagcc atgcctgtct cagcctcagt gctgctagat 180

tatgacataa accggagatg acggggagcg cctccgactt ccaccaaagc aactgtggcc 240

ataagtcggc gatgtccacc tcccggagga cgaggccagc ggca 284

<210> 8251
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035d06b1

<400> 8251

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aggttccacc agtaccaggt ggtgggtcgc gcgctgccga cccccggcga tgagcagccc 120

aagatctacc gcatgaagct ctgggccacc aatgaggtcc gcgccaagtc caagttctgg 180

tacttcctga ggaagctcaa gaaggtgaag aaggccaacg gccagatgct cgccatcaac 240

gagatctttg agaagaaccc caccaccatc aagaactacg gcatctggct gaggtaccag 300

agcaggaccg gttaccacaa catgtacaag gagtaccgtg acacgaccct caacggcggg 360

gtggagcaga tgtaca 376

<210> 8252
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035d07b1

<400> 8252

tgcccgctcc tcctccccgt ccgtccccac acacacacgc acgcgtttga cattttccgc 60

ccaccaccgc cggagggagc tccagccatg gccgccaagt gctacccgac ggtcagcgac 120

gagtacctgg ccgccgtcgc caaggccaag cgcaagctcc gcggcttcat cgccgagaag 180

aactgcgcgc cccttatgct ccgcctcgcg tggcactcgg ccgggacctt cgacgtggcc 240

accaagaccg gcgggcccct cggcaccatg aagtgccccg cggagctcgc gcacggcgcc 300

aacgccggcc tcgacatcgc cgtcaggctg ctcgagccca tcaaggagca 350

<210> 8253
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035d08b1

<400> 8253

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caagttcttg caagagagga aaaagaaatc gaagaggcag agatgggaag aaggagaagc 120

ccggctctgc cgctgctgct gatctttggc gtcctcgccg tcgtcctcgc ggctcttccc 180

tcctccacgc ccgcccagca ccaccagcag cagcaccacc agcagcagca gctggatcgc 240

gagcagtacc accacccgcc gtcgcaggag cagcagcagc cgccgcatca gcagcacctg 300

caaatccagg tgcatcagca gcaggaggat gggggcggcg gcgggggaaa gggagcagca 360

gcagcagcag cag 373

<210> 8254
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035d09b1

<400> 8254

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caaaggcgcc gccatggccc gtacgaagca gaccgcccgc aagtccaccg gcggcaaggc 120

gccccgcaag cagctcgcca ccaaggcggc gaggaagtct gcgccgacga ccggcggagt 180

gaagaagccc caccgctaca ggcccgggac cgtggcgctc cgggagatcc gcaagtacca 240

gaagagcacg gagctgctga tccgcaagct gcctttccag cgcctggtcc gcgagatcgc 300

gcaggacttc aagacggacc tcaggttcca gagccacgcc gtgctggccc 350

<210> 8255
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035d10b1

<400> 8255

cttggtactt ctgctctcac taactgaata cttctcccct tcctaccttt cgcccccgcg 60

tcgccccgca ggggcggctc gggcggaacc ctaaacgccg ccaccgccgc cccctctccc 120

tcacccccctc tcgccgccgt cggcgctcgt cggtgggcaa agcccgttgg cggccgacga 180

cggcgggatc tggcgctcgc gctggtcggg cacgcccctc gcagtggtgg gtgttgtgga 240

gtttttggct gcgagatctg gagctcgagt gacggcgcac ggcagagctt cgcagtgggg 300

tggaggtgtg cggctggggc tcgcaagagg agttggtcgc ggcgcggtgg tccctcctgg 360

agccaacgac ac 372

<210> 8256
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035d12b1

<400> 8256

tcgtacagaa gccatcttgc tccgttccag ctcaggcgag cagcgaccac cttccggcga 60

gggcagtggg cagcagcgat ggagggcaag gaggaggacg tgcggctcgg ggcgaacaag 120

tactcggagc gtcagcccat cggcacggcg gcgcaggggt ccgaggacaa ggactacaag 180

gagcccccgc cggcgccgct tttcgagccc ggcgagctca agtcctggtc cttctaccgc 240

gccggcatcg ccgagttcat ggccaccttc ctcttcctct acgtcaccat cctcaccgtg 300

atggggtaca gcggcgccgc ctccaagtgc gccaccgtcg gcatccaggg catcgcctgg 360

tccttcggcg gcatgatc 378

<210> 8257
<211> 350

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035e01b1

<400> 8257

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actcccacca ccagtgctgc agtttgctga tgtcacattt ggttacactc cggataatct 120

catctacaag aaccttgact tcggtgttga ccttgactcg agagttgcac tggtcggtcc 180

caatggggct ggtaagagca cacttctgaa gctcatgaca ggtgacctat ctccgttgga 240

tggcatggtc agacgccaca accacctacg cattgtacaa tttcatcaac atcttactga 300

gaagctggac ctggacatgc ccgacctgca gtacatgatg agggagtacc 350

<210> 8258
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035e02b1

<400> 8258

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gacgcccacc cccagtgccc caagggctgc tcggcctgcc gcgtggtgac gcccagccct 180

cacaagacgt tccggtgcgc cgacatgaag agcaccgtcg acggcacctg cggcgggcca 240

tgcaaaaagc actgatccgt tcagggcttc aggctcagac gaggtgtgcc gcctaaaata 300

aagctcagat gagatgagca gtcatggtgc ctatgcttgt gtgtgggtcg tgctatacgg 360

ccaacagtat gt 372

<210> 8259
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035e03b1

<400> 8259

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tgaaatcttt ttgggttcac agatttggag gatgtcttgc aactgtggat ccggttgcag 120

ctgcggctca gactgcaagt gcgggaagat gtaccctgat ctgacggagc agggcagcgc 180

cgccgcccag gtcgccgccg tggtcgtcct cggcgtggcg cctgagaaca aggcggggca 240

gttcgaggtg gccgccgggc agtccggcga gggctgcagc tgcggcgaca actgcaagtg 300

caacccctgc aactgttaag ct 322

<210> 8260
<211> 436
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035e04b1

<400> 8260

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tagtttaaca gttgcaactc gtaatacttt cggagagctt gatcaaagcg ttcgaccagt 120

tgcacctctt cacttcttac agatgctgcg gaaaaaatac ccccaatttg ctcaacagca 180

aaataatgtt tacatgcagc acgacgcaga ggagtgctgg acacagctga tctatacgct 240

ttctcaaaca cttacatcag aagcaagtga acctactgct gctcagatga aggaactctt 300

cgggattgat cttgtgagca gggtacactg tgcaaaaagt ggtgaggaga gttcagaggc 360

agagtcggtt tattctctga agtgccatat atctcatgat gtaaaccacc ttcatgaagg 420

actgaagcat ggtttg 436

<210> 8261
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035e06b1

<400> 8261

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cgtaggttaa tgaagggttt ggaagatctc tcagttttct atgatcagac agtccgcaac 120

gctagtggtg gtatagttca atttgtctat ggagatgatg gcatggatcc tgtaaagatg 180

gaaggaaaag gtggcaatcc cttgaatctg gaccaattgt ttatgaaagt catggccaca 240

tgtcctcaaa ggggacatga aacattatct cctgagggaa tctcacaaat gttaaatgat 300

aagctctccg aacaagaccc ctcagctggt ggttgtagcg ataggttcaa ggaattgtta 360

acaaaatttg tcgggaatcg catcaaaatg c 391

<210> 8262
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035e08b1

<400> 8262

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ccgcaaaagg tcacgacctt ctgatcagaa gcacctctat ctggtgctgg atgactggaa 180

agatgggttc agcattcaca agattgacgc cgacgacgat gacgcggacc ttggccagcc 240

accggtcctc cggttggtgt tgccggcgcc tggctttcca atgcgctttg cggtcgtggg 300

cagcaacatc gtcatcgtca ccaacccacg ctgtggtcag gctcccacac ttttctatga 360

tacgaaaaga acaggact 378

<210> 8263
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035e10b1

<400> 8263

tctggatggt catcgtcttg ctactggctc ttacagtaat ttattccgtg tttttggttg 60

tactcctgga aatactgagg caaccacttt agaagcaagc agaaacccta tgaggcgtca 120

ggttgctaat ccaacaaggc ctacaagaac cctgacctct ttgacccgtg ctgtgaggag 180

agggggtgaa aatgcaggag ccgatggcaa tgggaattct aatgacttct caacaaagtt 240

actccatctt gcgtggcacc caactgagga ttccattgcg tgtgctgctg ggaatagctt 300

gtacatgtat tatgcatagg gaatgtgcta gagaagattc actgtttttg gtttgttcaa 360

tgtgaaagct tgggcctcgc acatgc 386

<210> 8264
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035e11b1

<400> 8264

tcccgctcgc cgcacctacc ctaccgcgag cgtcagagcc gcacgagcgc cgcggccaaa 60

gagagcttgc ttgcttggcc cgctccgatg gcccgcgacg gcgcgtcggc ggagcggcgc 120

cgggtggcgc tgcgggtcct gctcgcgcgc ggcgagggct cctcgtcgtc ctccccgccg 180

ccgcgggggc ccgaggagga ggcgcggcgg ggcaagcagc agtggctcgc gctccgcctg 240

cgcgacctcg gctgcgcgtc cgccgccgcc tcccgggccc acgcgcccgt cgccgcctcg 300

gcctccgtgc gcccggcccc ggacgcgt 328

<210> 8265
<211> 215
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035e12b1

<400> 8265

tttggggaaa gcctcctgtg gatgagcatg gacgcccccc ctacggagat gtttttggta 60

tcctacagct ggatgaacct aattatgatg aggagcctgt tgaccgcagc aagcattggg 120

gagacttgga ggaggaagag gaagaggagg aggaagatga ggaggaagag gaaggaggaa 180

ctaatggaag atgaagacat ggaagctggc atgca 215

<210> 8266
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035f01b1

<400> 8266

tgaagaaaga agatcgagcg agcgagaaat ccccaatccc caccaaaccc taacccaaac 60

cctaaccctg attgaaacga ccaggagagg agaggagagg agcggatccg gcgatggccg 120

tcgagaagat gcacttgtcc atgccgttgc ccgccggctt ggagggtttc cccttcacca 180

cgttccaggc ggagctggag gccttcaccg tcaagttgag ggcggaggcg aagaaggcca 240

aggccaagcc ggaggtcaag gaggccaagg ccaaggagga gaaggccaag ccggaggtca 300

aggcca 306

<210> 8267
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035f02b1

<400> 8267

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atgccatatt gttcatcttg acttgaaacc tcaaaatata ttgatggatg ctaccatggt 120

accgaaaatt gcggactttg gtttatcaag gatctttggt gagaagcaat cccaaatcat 180

cactcaaaat tgtcagggaa cacgaggata catggcacca gagtacataa tccaaggcat 240

agtctccatc aaggcagata tatacagttt gggtgtcata attatcgaga tacttactgg 300

ctctagatca tatcccctca gagaggacaa tagtcgtgag tgtaccgaca agtctatcca 360

acaattcaaa gagcaaatac ttgaaacttg ggggaaaaga 400

<210> 8268
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035f03b1

<400> 8268

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ggtacttctg agccgcagca gatgaatagt tctgacaatg ccatgcaaga gccgcagtct 120

gaaaatgttg ctgacaagtc agcagatgat ggctacaact ggcgcaaata tgggcagaag 180

catgtcaagg gaagtgaaaa ccctagaagt tattacaagt gcacacatcc taattgtgaa 240

gtaaaaaagc tattggagcg tgcggttgat ggtctgatac cgaagttgtc tataaggggc 300

gccataatc 309

<210> 8269
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035f06b1

<400> 8269

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cggaaacata tcggaataat ggaaatggtg aacttctgta cataaataac ttgatttttc 120

tttgtattac tgtcggcgag agctgtcagt tttgctccat attcatgtgg caatgtgatt 180

tatttttctg ggtttgaagc acttctgcag ttatgcttct gtaggagttc agcgttgtaa 240

tagttcggag tatgtttaga tctgtaatag aataacaaga ccaaacttca gtaagataga 300

atggtaatga actgctagtt ttgggggctg ttggctcaac cgtggtactt attaaaccag 360

ggttgatgta taggaacagt at 382

<210> 8270
<211> 326
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035f08b1

<400> 8270

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cttttgtaaa cacaatggcg gcgccggcga tgtttcctaa ggcgacgagg aaagcctccg 120

tgggcggccg ggcgtggcgg ctgctgcggc tggccgtgct ctgggcgcgg aaggggagcg 180

cggcgcagag cctccgcctg ctcaagacgc tgcggcacag ccgcgtcggc ggcctcggcc 240

tcggcggccg gcgcaacgac cggctgcact acggcgagcg ggagttctcc atcgacgaga 300

cgccggcgtt ccggttccgc accccc 326

<210> 8271
<211> 316
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035f09b1

<400> 8271

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ccaaggcgat ggcgactgct ctcaaccgcg gcctccgctc cgggatccgc ctgctcgcca 120

ccggcgccga ggcctccaag ccagcttcac gtggattcca tgctaccggt gtgaagagga 180

tgtcagggca tggccatgat gagccatact acctccacgc caagcacatg tacaacttgc 240

acaggatgaa gcatcagaag ctgactgcat ggacttcggt gctgggagct gtaagcattg 300

gtgtcggtgt cccggt 316

<210> 8272
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035f11b1

<400> 8272

tcgctctatt accagcttcg gttccacgcg cgcccccggc gctgcgccag cgcccctcct 60

cgccggtgcc gcccccggtg accgctggcc cgggccggca gacgccgcct tcgacacgtc 120

tacccctgcc gccgcctggt cctccgcctg ccggggcggt ccgcctcggc gtctcgtgga 180

gccagatcgt ccgtgcggaa tcggcgggca gcgttcaagg ccctggcttt tcggtccctt 240

ttgagccggt ggtgtcgtcg gtgctctcgc gcacgctggt ggatgatcca gtggactgcg 300

tcttcctgga gtcaggtctg gacttgtggg ccctggagga 340

<210> 8273
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035f12b1

<400> 8273

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ggagacgaca gacccccaca gagtggtggt gcgtataatg aacaaaggca gcatccacaa 120

aaaggagacg cacggaacaa gcgacgacat aagcgagaac acgcctgtgg agaaggtcag 180

gggccccaat ctgtttgaac ggaccaagga agagatcgag gctcttgtgg cggctgttca 240

cgataagatg gagcaccatt ccagtccccg cgggaaggag ggtgaattgc acaaggattc 300

caaggaacac agcaaggcag acatgcataa gaagacccac gagaacgaaa ctcatggtac 360

aagcaatgat ataagtgagg acacgccggt cagcaaagt 399

<210> 8274
<211> 294
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035g01b1

<400> 8274

ttgttgcgcc agagcgagag agctttttcc tgaccgtgac atgacaccgc atctgcccgt 60

gtcgccccac cccgcccacc acctgctcga cgcgctgccc ccgtagacgc accaccgccg 120

ccttcgcagg cgccggcgat tttgcccgcc gcgccctagg gccttctcct tcccctgctc 180

cctccgctgc cgcgccgccg ccgacgccgc gccgcagccg gcggctgctg cagcgaggac 240

cagggtgttc gacgtgtcgg acctgcacac cgactacccg gagaacatgg agtg 294

<210> 8275
<211> 366
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189035g02b1

<400> 8275

tcgttgtcgt ccgcaaggag gccgagaact gcgactgcct gcaaggattt caagtctgcc 60

actctctggg aggaggaact ggttctggta tgggtacact gctcatctcc aagatcaggg 120

aggagtaccc agataggatg atgttgacat tctcagtctt cccatcaccg aaggtgtctg 180

acactgtggt ggagccttac aatgctacac tttctgtaca ccaacttgtc gagaatgctg 240

atgagtgcat ggtgcttgac aatgaggctc tctatgacat ctgcttccgc actctgaagc 300

ttgctacacc cacantttgg tgatctgaac catcttatat ctgcaaccat gagtggcgtc 360

acttgt 366

<210> 8276

<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035g03b1

<400> 8276

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ccccatttat tgcaaccttc tcaaatctca agattccaac tggtcaagga agtgaagaac 180

aaggacagaa ggacatggat gccttaagtt caatgctcga caaggcgaaa gacaaggtga 240

aaagcaaccc tgatgtgatg gagaaagtca attcggtcct cgacaaggtt aagaaccacc 300

cagaagtcat ggagaaa 317

<210> 8277
<211> 429
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189035g04b1

<400> 8277

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ctttcccatc cgtcctccgc tgccgtggct gtaccgcact gccgcgctcg ccgttcccac 120

acaccctcac tagccactcc cattattccc acctgtccca gttgatcttc cgatcgcctg 180

cccgttcacc ttctctctgc gagcagccca ggccggaggc atgtcggcca agaagatcgt 240

ggtgaagctg gagctgcatg acaacaagga caagcagaag gccatgaagg ccgtctccgt 300

gctcgtcggc atcgacgcca tatccatgga cctggcgtcg cgcaagatga cgngtgatcg 360

gcacggtgga cccggtggcc gtggtgagca agctgcgcaa gggttgggcg gcctacatcg 420

agtccgtcg 429

<210> 8278
<211> 235
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035g05b1

<400> 8278

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aataaaagtc tcagaaacta agtactccct ccataaagaa atataagagt agtgatctag 180

acgctcttat atttcttcgc ggagggaggt attttcctga gaatttatac ttctt 235

<210> 8279
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035g06b1

<400> 8279

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cctcgagtcc ctcgacgtgc gccgctgctg caacctccag atggatgatg ccttgagatc 120

caagtgcgcc aggatcggga acctcaggct tccccgggac cccatcaacg acttcaagta 180

ccgggcttac ctcgctatca gtgatgacta ccccggcggt tccgacatcg aggtcgacat 240

gtacgatgat ctgctggacg tggtcaccga cgaggaggat gccgagttcg atgacatggc 300

tgattatatc gaccgtgtgg gctcggacgc tgacatgtat gatgacgtgt tcgacgatgt 360

c 361

<210> 8280
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035g07b1

<400> 8280

ttcgctaatg ttcggaacga tgttctggga ccttggaagt aaaactcgaa gatcacagga 60

tctattcaat gccatgggat caatgtatgc tgcagtacta tacatcggag tgcaaaattc 120

tggttctgtt caaccagttg tcgtggtgga gcgaacagtc ttttaccggg aaagagcagc 180

tggcatgtat tcagcttttc catatgcatt tggacaggtt gctatcgaat ttccgtacgt 240

attggttcag gctttgatat atggcgggct agtctattcc atgattggat tcgatgga 298

<210> 8281
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035g08b1

<400> 8281

ttccacgcgt ccggaagtag tactaaaatt gatacgagga aaatagcatc aaaatgcata 60

tacgaatgca taatatcacg tgccttttat tgagttaatt tacaacattg cacatgtttt 120

ctgtgtggtg ttaactttat agttctgtaa tacactagac ttgctctggc taagtttctc 180

cgaatatata tggtagaata gcctactaat ttttttaggt ttagcacata aattaaagca 240

cagttactgg gtttgtagaa ttgtaggcct ggttaattgt gtggtgcacc actgcaaccc 300

aagtgttccc tgttcttgtt agccattgaa caaacgcatg gttcgctgct cagtgtcagg 360

gccctgctga ggttaatgtg gtgaaagatg tgtaaagctc actagcgggc ttgaaccagc 420

ttaaacg 427

<210> 8282
<211> 333
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035g09b1

<400> 8282

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aactgcggaa ggggtcccgc tccggcgacg atggtgcgct gcaggcagtg cagcgccagc 120

gtcgccgcgc ctgccggcgc ccgtgccgtc cagtgcgcgc agtgctgctg cgtgacccgc 180

gtgagcgggg ctggccgaca gctcagtgtg atgcgcccca tcccgaactt tggcggtggc 240

cgcggcaaga agcgcgccgt gctcgtcggt atcaagtaca ccaagacgcg tgcctgcgag 300

ctgaggggcc ccatcaacga cgtcaagtgc atg 333

<210> 8283
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035g10b1

<400> 8283

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gcctttgttg gagaaaacga tgaaaatttt ggtcgagggt ttggtcgaca tctttgttag 180

tctttttttat gagaacaagg ccaaagatct cagaatgttg gatgcaaatg gtttttgtca 240

gctcatgcta gagctcgagt attttgaaac cgtgttaaac acatacttct ctactgaggc 300

aca 303

<210> 8284
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035g11b1

<400> 8284

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cctgggagga agacctctac acagagttag attcaacttt acggacaatg ctgggctgcg 120

tggaattcct ggtttacatg agtgtggccc tcatttatca gtcgctgcaa agatcggcat 180

ggctttcggg gtacttgtag cttttctgtt tctagttgta tttgctgcat gctggtggaa 240

aaggaggcaa aacgttatcc gtggtcagaa attagctgca gcaagggaag ctccgtatgc 300

taaatcaagg acccagttta cacgggatgt gcagatgggc aagcaccacc gcccgcatga 360

gacgagccca cggggtggca acaatgaaag ctcgccacat ttgc 404

<210> 8285
<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035g12b1

<400> 8285

tcttcacgcg tccgctcctc tccgtcccca tcgcgtgatc gatcgcctcc gccttttccg 60

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cagagaggcc tgatcgggga tatcatcagc cgattcgaga agaaagggta ctacttgaag 180

gggatgaagt ttatgaatgt ggataaatcc ttcgcgcagc agcactatgc cgatctctct 240

gcccagccct tctttgccaa gttggtggat tacatcattt ccggccctgt tgtggccatg 300

gtgtggga 308

<210> 8286
<211> 220
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035h01b1

<400> 8286

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cgtcggtctc ggccgccgcg gcggaggtct caaccttccc cctcgacgcc ctcaagacgc 120

gcctccagct ccgccgcagc accggtggtg gtggtggtag cggcggtggc gtcttacgcg 180

tcgcgggcga gctcgtccgc gacgggggt tctaccgggg 220

<210> 8287
<211> 284
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035h02b1

<400> 8287

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accccgcctt cgccaagatg cagatcttcg tgaagaccct gacgggcaag accatcacgc 120

tggaggtgga gtcctcggac accatcgaca acgtcaaggc caagatccag gacaaggagg 180

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ccctcgccga ctacaacatc cagaaggagt ccaccctcca cctg 284

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<211> 313
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035h03b1

<400> 8288

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cgatctttta tgaaattatg tggtggcaga gcaggcaggc aggggtggta cctccaagga 120

gaggatatac aggtacacct gagtcattat acaattttgg aagaaacaac agagttcatg 180

cacctggaaa aaaaggggcc aaggggagct ctgctagggg agattcagca agtgccaccc 240

catggtgcag ggcgttggcg atggatgatc attactcctg agggggaatg gggctgggcg 300

tggcagcctg ctc 313

<210> 8289
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035h04b1

<400> 8289

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accccggcag atagcgcgat cacgcgcatc ccccgaaagg gaatcgggtt aagatttccc 120

gagccgggat gtggcggttg acggcgacgt taggaagtcc ggagacgccg gcgggggcct 180

cgggaagagt tatcttttct gcttaacggc ctgccaaccc tggaaacggt tcagccggag 240

gtagggtcca gtggccggaa gagcaccgca cgtcgcgcgg tgtccggtgc gcccccggcg 300

gcccatgaaa 310

<210> 8290
<211> 175
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035h05b1

<400> 8290

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ggctcctata acattgcacg ttgctttgaa aatgcatcag aactgggcta ggcccaagat 120

agcttgcggt gtgatgtgtt gtaatgtcaa tggtataata attttttttgg attgg 175

<210> 8291
<211> 276
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035h06b1

<400> 8291

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cagaagcaga aggcgctcaa ggtcgtgttc actctccacg gaaagaatgc cctgcttgtc 120

cttcttctcc aggtccgtcc tagtcatgga cggaggggat tgccaggatc ttcatcatgt 180

ttcagtttga catttccgat gacaacaact gccgcttgcc tcaggcatcg accacatcgc 240

cgtggacatg aaggaccaga agatgacggt ggtggg 276

<210> 8292
<211> 224
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035h07b1

<400> 8292

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tgctggtgta cgagtacatg ccccagggca gcctggagaa ccacttgttc cggcggggca 120

gccagccgcc gctgccgttg tccacgcgcg tctccgtcgc cgtcgacgtc gcccgcggcc 180

tcgccttcct ccactcccgc gacgtcatct tccgggacct caag 224

<210> 8293
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035h09b1

<400> 8293

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tggtgggagt ttgatgatga gtgtgtatcc agccttggtt ttcacccttt tggtgaaaaa 180

ccaggcaagt catctgataa agcggatcag aaatctgaag gtacttctac cgaaggctct 240

gtggcaaatg gtaataacag tagccatcat gatgctgcac cgacttctaa tatgggagaa 300

gatgttctct tccactgatg cttacatgct aatgtacaaa cgttcgagca aggatgaaaa 360

tggtattaaa ag 372

<210> 8294
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035h10b1

<400> 8294

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ggttccttca gctaggcctg ccaacaatgt gaagaaggct gaagctacag gtccatcacc 120

tgtgcctgtc aacaatgcga agaaggctga agctacattt tcttcaccag ggcctgtcaa 180

caatgtgaag aaggctgaag ctacagctcc ttcacccagg cctgtcaaca atgtgaagaa 240

ggctgaagct acagttcctt cacctgggcc tgtcaacaat gtgaagaagg ctgaagctac 300

agttgcttaa cccggccctg ctaacactgt aaagaagact gaatctgtg 349

<210> 8295
<211> 254
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035h11b1

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atgtcggcgt tcgagtacca cgacacggac ccgcgcttca accgcgtctt caacgagggg 180

atgaagaacc actccatcat catcaccaag aagctcctcg aggtctacaa gggcttcgag 240

ggcctcggca ccat 254

<210> 8296
<211> 73
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038a02b1

<400> 8296

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ggtagccgcc gcc 73

<210> 8297
<211> 73
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038a03b1

<400> 8297

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gacgcggggg agt 73

<210> 8298
<211> 146
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038a05b1

<400> 8298

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gagtttttgc tggaactaat gtgatgcgta tcatcaacga gccaacagca gctgcaattg 120

cctatggtct tgacaagaag gctacc 146

<210> 8299
<211> 213
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038a06b1

<400> 8299

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tgctcaacga catactacgt tatgtcgggc agggtgaggc cgacccgaca ttgccgccac 180

ctcagcagca gcagtcggca ccggagttgg atg 213

<210> 8300
<211> 336
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038a07b1

<400> 8300

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ttgggatttt cagcatgcat ctttctttgg tgtgtcggcg tcacctagca ccaatgtgtt 180

tagaactact cctactggac atcattgtcg aaccaatgtt ttaaaactac tgggcaacat 240

tgtcaaggtt ggaattttcg gacaaagtgc gctctggtga tgaaacctag cttgttcatc 300

attaataaag tataataaag tagaggctgc gatctc 336

<210> 8301
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038a08b1

<400> 8301

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ccgccgtgct gtgcctgcag ctgccggtcc acagccgcgc gcagctgcgc gtggggttct 180

acaacaccac ctgccccaac gccgaggcca tcgtccggca ggccgtcacg gccgccttcg 240

ccaccaaccc cggcgtcgcc gccggcctca tccgcctcca cttccacgac tgcttcgtcg 300

agggctgtga ttcatcggtg ctcctgtccg tcaaccccgg cggaggcacg acggagcgcg 360

aggcagc 367

<210> 8302
<211> 442
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038a09b1

<400> 8302

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atgacattcc agttctagac ttcttcagca tttggttcct ggggatgcta ttgctgaaat 180

tctggactaa tttggctcat tggacaaggg acgcgccttt cctggctcat ttcattgatg 240

gaagatggga ctggaagctt actcgggcaa aggatgatgg ctttgcaggg ttgagggcaa 300

agtgggtctt gcaagatata ttgatgccta tcaccatgaa gctagtgatt gttctgtgtg 360

ttccttatgt gcttgcgaag ggccttttcc caaggtttgg ctactctgct gcggtgaact 420

cgacggtgta ccatttcgca tg 442

<210> 8303
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038a10b1

<400> 8303

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cctggaggat ctacccaaga agagccccta caagaagatc aagtcatgca ggagcaacat 120

caatctagac ggaaaccaga gagattgccc cgtaactggt tctaacaaca gcaaaggaat 180

cgccaagcag agctctgcga gttcctgcgc gaatctgatg atggcgcgga ccagcagcgc 240

caacatgctc tacaggccta cggcgatccc tgttaacaag agcgcgtgcc accagtaggg 300

ctcgcagctg cctggaaatg tccgtccatg gctggcctcg cgcctcttct ttgttccttg 360

at 362

<210> 8304
<211> 334
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038a11b1

<400> 8304

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tgatgtgtta ccccagctca tggttcagga ggccaagctg gaagagggcg ccctggaagc 180

cctcctactc atgaagaact cagcaattac gctcttagat ctgaggaagt gctttcagtt 240

atccttgggc gtattgcttg ccgaggagga tctggtctta gcccgagtca aagagctgag 300

cataatgcta aaggatactg ctgatgatgt actc 334

<210> 8305
<211> 86
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038a12b1

<400> 8305

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cgacgtctgc cgcgagttcg cgcagt 86

<210> 8306
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038b02b1

<400> 8306

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acattaaagc caagtatggt gattactttg gcataactgt cgctggctat ccagaggcac 180

accctgaggt aatactaggc gaggaaggtg ctacggagga agcatatagc aaagatcttg 240

cttacttgaa gagaaaggtt gatgctggtg ctgacgttat agtcacccag cttttctatg 300

ataccgatat ctttctcaag tttgtgaacg actgccgtca gattggtata acctgcccta 360

tcgttcctgg cataatgcca ataaataact acaaaggatt tgtgcgcatg actgg 415

<210> 8307
<211> 465

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038b03b1

<400> 8307

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ttacgtttca gtccctgtag cttctttttt ccttacagtc tactccccgt tccgttgcaa 120

aaagcccctg agctctgtca cattctagcc tcgactcctt ggtcttggga ggagttcgtc 180

gcagatccga tctagagagc ctccccgcac cacccatgtt taccttcccc ttcctctgac 240

ggccgccgtc ccccgatgaa gctgcgcgtc cgctgccgct cccactcctt ctccgtcgcc 300

ttcctctact ggttctacga cttctcatga actcctcgcc cctcgacaac gccgcatcca 360

tcctgcctct agttgattag atccagctcc gtttcttccc ctttcctgtc tttcttcttc 420

ccgccatcaa agaaaagaga tctttttcct ggttcttgga tcgag 465

<210> 8308
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038b04b1

<400> 8308

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aagtttgtga ctggatgttc tcgcgggcca ctccttggat ttgagtacct tgatcctaaa 180

ttctgcattc agagagctgg tgtccccggc ttggaggaac atggagaccg tttgcccacc 240

tcggctactt gcatgaacct tcttaagctc cctccttaca gaaccaagga gcagttgcaa 300

accaaactgt tgtatgcaat aaactctgaa gccggtttcg atctgagcta attgcatt 358

<210> 8309
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038b05b1

<400> 8309

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gagctagatt ggaatggagc tccgctttaa gatttt 276

<210> 8310
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038b07b1

<400> 8310

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ggagcacatt gtgatctgca cttgctcttg caaaatagtt tctatcaaat aatctgctca 180

gttgtttcta acttttagtt gtatggaatt tctgtgtgcc tgaacatcat tcttgaaagt 240

aacaggggaa cttactttct tctggtattc tattgttcca tcctgcttat gtatcttcta 300

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acatcgtcga cggtgacgac cggtcttgta tct 393

<210> 8311
<211> 347
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038b08b1

<400> 8311

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gctccagcag ggaggagcgc aggtgaggcc ttcggtcgtg gcggagggac ctcggcggct 120

cttgctaaac ggcgcttccc ctgcccgccg gcccatgtcc acctcctcca tcagtcgcaa 180

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gttgttctgg gaagacatcc aaactcatcg gctcatcact caccttg 347

<210> 8312
<211> 401
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038b10b1

<400> 8312

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ctgggagccg cacaaggccg gagcacaggt atatctcaca caacagccct ttccaatccc 180

atgatgctag ttatgttgtt tattcatctc taaatcgaca tcagtggctc ccacatgtaa 240

atcgggaagc acccttaaga acatgtaaat cgggaagcac ccttaagatt ttttctgcgc 300

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gataccctg ttgtgaaatc atcttatgcg agttcccagt a 401

<210> 8313
<211> 331
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038b11b1

<400> 8313

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atcgccgtgg acacgaagga ccagaagatg actgtcattg gcaccgtcga ccccgtcgtc 180

ctcgtcgaaa ggctgcgcag caagttcccc atggcacaga tgatctccgt cggcccggcc 240

aaggaggaga agacggacgg cgccaagaag gaaggcgaga agaatgaagg cgacaaggag 300

gagggcgaca agaaggagca agtggtgtac c 331

<210> 8314
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038c01b1

<400> 8314

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accctgccgt cagggttggt attgtattct gtggaaggca gaccccagga ggccacaatg 180

tcatatgggg actccatgag gccatcaaag ctcacaacgt gaacagcaaa cttattggtt 240

tcctcggagg aaccgatggt cttcttgcac aaaaaacttt ggagatcaca aatgaagttc 300

tttcttccta caaaaaccaa ggtggttatg atatgcttgg tcggac 346

<210> 8315
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038c02b1

<400> 8315

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agggattcaa agacagcata tatgaagcta gcaaataaga acctgcctcc acccaatgca 180

acactgcatc gtcttgtaaa attcttcgga aggcaaggac tggataaaag ggaccttgta 240

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tacaatcagc atagagataa caaaccggac atgacactgg agaaa 345

<210> 8316
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038c03b1

<400> 8316

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tactccctcc attcagattt actcgtcgtg gttttagttt aaatttgaac taaaaccacg 300

acgagtaaat cggaacggag ggagtatatc ttatgtaatg tatgccagaa ttttgcacct 360

ttttttgca acacccattt atatgtgtgg atcgaggtga ctgctttttt t 411

<210> 8317
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038c05b1

<400> 8317

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ataggactgg tgatgaacga cagaggattt atttctcgtg ttctctgccc caaattcggt 180

ggatacctta cttttggctc tcttgaaaaa ggaaaagaat ctgcaccttc acagccaacc 240

gctgcagact tgatcaatgt gtacaacatt agacagatag gcccagatac caaggtgttt 300

ggtattattg gaaatcctgt tggacacagt aaaagcccgg ttttgcataa tgaagctttc 360

agatcagtgg gtttgaatgc tgtgtatgtg ccatttttgg tggatgactt 410

<210> 8318
<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038c06b1

<400> 8318

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aagatccaga gccttctaag tcacacttac ccttattgca tgagtggcat ttccgatctg 180

ggcttgatcg gtacatatgg attgttggaa tgatctatgc ttactttcac cctaatgtgg 240

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ccattgtgac tctatcagtc ctggctggct atctgtggta tgaatata 348

<210> 8319
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038c08b1

<400> 8319

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atgaagaagg ggcaattcct ctccatgatg cttgtgctgg aggcttcact gagatagttc 180

agtacattct cagttttgct gcaaatgctg agggttgtgc aacgcgaatg ctcaacaccg 240

ttgatgctga aggcgatact ccactccacc atgctgccag aggggaacac atggacaccg 300

tcaagcttct gctcgaagct ggcgcatgtc ccaagaagga gaatgcctac gggcaggcag 360

ccgccgagat ggccgatcaa gataccgaag tccgggccct gttaaccgcc aagcaagtcg 420

aggccagcat acatatggcg gactgatgat 450

<210> 8320
<211> 446
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038c09b1

<400> 8320

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atcgacgtcg cggcctgcag atttatcagg aagcagttct ccgttgacaa cagactcatc 120

ttaagacaac ctcctgtaga gaatacatca tactggtgta tcacctggtc tgtgcagcca 180

atgccagaac catacacata gaagaagaag cattgtttcg cggcattgcc cgtgtagtgt 240

cagccccatc cctgggcctt cgccgcttta ccattctgcc aagattcaat tcatctcttg 300

aattgtcagc tattagtgta ttgctgcgaa aagcgttgct tacctgtaag tctgtcttaa 360

atctgtaata cagcaccatt actctgtatc accatggatg aagcccagca tatgctatat 420

tccccaggag ttgaattctg agctac 446

<210> 8321
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038c10b1

<400> 8321

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tcatcttctt cttctccgtc ttctggggct tcttcccgct ctacaacgcc gtcttcgtct 180

tccccctcga gcgccccatg ctgctcaagg agcgctcctc ggggatgtac cgcctctcct 240

cctacttcgc cgcccgcacc gccgccgacc tccccatgga gctcggcctg cccaccgcct 300

tcgtcctcat cctctactgg atgggcggcc tcgacccacg cccggcctcc ttcctcctct 360

ccctcctcgt cgtcctctac agcgtgctcg tcgcccagag cct 403

<210> 8322
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038c11b1

<400> 8322

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cgtgcgtgat ggctggggag gaagccaaga aggcggcgcc ggctgctgcg gcgccggagg 120

cagtcgcgga gaaggatgtg ccggtggtca tcccgcctcc tccgggggtc aagccaccgg 180

ccgacgacgc caaggccctc gtcgtcgtcg acagcactgc cgagaaacct caccctgaga 240

agaacatcca caggggctca catgaaagag acgtcgctct tgcaaaggtg gagacggaga 300

agatgagctc tttgatcaaa gcatgggtag agaacgag 338

<210> 8323
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038d02b1

<400> 8323

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aacccttgcg attacttcca gggtggcaaa ataaaagcaa caacccctctc cctgtctgtc 120

ttggtgtcca ttgagatgtt caactcactg aatgccctgt ctgaggatgg cagccttctg 180

agcatgcctc cattggttaa cccctggctt cttctggcaa tgtcggtgtc atttgggctt 240

catttttga tcctctacgt gcctttcctt acccaaatct tcgggattgt gcccctcagt 300

ttcaacgaat ggcttttggt cgtagcagtt gcattcccag t 341

<210> 8324
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038d03b1

<400> 8324

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gggcacgcca ttgctgggca agtacgagct cgggcgactg ctcggccgcg gcacgttcgc 180

caaggtgtac ttcgcgcacc cggtcactgg cggtgagcca gtggcagtga aggtgatcga 240

caaggcggag gtgatgggca tggagggcat ggcgcctcgc gtgctccggg aggtggtggc 300

catgcgccgg cttcgccacc cgggcgtgct ccgcctccac gaggtgctcg ccacgcgctc 360

caggatctat ctcgtcatgg agctagcccc ccgt 394

<210> 8325
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038d04b1

<400> 8325

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ccgcgtgggc tcgcctgctc tcccaccgcc gcgtcgccgc cgcagccgcg tccggatcgc 120

tgccccacct ggcaggcccg cggatcgcgc cccagcgccg ccacttcgcc ttctcctccg 180

cctcccccgg cgccggcggc ggggcgaggg acagtgagcc gctgttcacc gagcagaccg 240

tctacgacct gctggcccag ctggagcggg agcggcagaa ggaacgcgag gatcggcgca 300

aggccggggc cggcggcggc ggcgagggga agggggacga gga 343

<210> 8326
<211> 221
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038d05b1

<400> 8326

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gctgatgagg gacttcaagc ggctgatgca ggaccctcct gcgggcataa gcggggcgcc 180

gcaagacaac aacataatgc tgtggaatgc tgtgattttt g 221

<210> 8327
<211> 442
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038d06b1

<400> 8327

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acatgcagct cctgggtcgc aaaatccctt tgagcacagc tcctccaagg atggctcaca 120

ggactggggc accaccgaca ctaacatcgc acaaactgtg caagtggtag atttcctcgc 180

atccaggtac gccaaaagcc caagcctcct cgcagttgag ctaatgaacg agccgttggc 240

gcccggcgta tccctggaga gcctaaaaac gtactaccgc gacgggtaca atgccgtcag 300

gaagcactca tcggatgcct acgtgatcat gtccaaccgg ctgtcatccc cggacccaac 360

agagttcctc gggctcgctg gcgggttacc cggatctgtc attgatgtgc attactacgc 420

gttgttcaac aacatgtttg at 442

<210> 8328
<211> 336
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038d07b1

<400> 8328

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gaatctctca ccatctatct cccgtggctt ccttgtctgc ctgcccacga cttgcctacg 120

ccttgccttc ggggttggtg agcgagcgag ctcgggatca gttggcgact acacacccag 180

aggttgttgt ccgagaatta tttaggcccg ccccttctt ccttccacgc cgcctcgcct 240

cccttctctg ctccgtctcc tcggatctcc gcctcaaatt tgcctcccca atccccagtt 300

ccaggttctt ggaggagggg ggaagccatg ggcagc 336

<210> 8329
<211> 345
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189038d09b1

<400> 8329

ctcntaaccc cccacgtcaa aaaaatcgat ttcgccgtcc tcctcgcctc gcccccgccc 60

cctcccccca gatccggcac cgccaccgcc cgcgccccga tccccgcccc ctcgtctgcc 120

ggtcgggggа tcagcaccag cgccgatcga ggggtaggag gaggaggagg aggacgagga 180

ggaggcgggt gcgcgcgaca tggctgcgcc gccggcgagg gcccgggccg actacgacta 240

cctcatcaag ctcctgctca tcggggacag cggtgttggc aagagtcgcc ttcttctgcg 300

gttctctgat ggctccttca ctacgagctt tattaccacg atcgg 345

<210> 8330
<211> 447
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038d10b1

<400> 8330

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tgtccctccg ggtgaccatg ccctttctga tgttcttata agcactccta tctttactgg 120

cgaagaaggt ggaagtggct ttgctgcttc tgcagcagct gctgcagcca ccggagctac 180

tggatatgat tttggcgtgg acccaaatgt ggacccagag ttggcacttg ccctacggtt 240

gtctatggag gaagagcgag ctaggcaaga ggctatcgcg aaaaaggctg cagaagacaa 300

caaggatcag ccctcaagct ctaccgatgc tattatggct gaagcggaac ttaccttaaa 360

tgctcctgct gatgttgacg cagatctact caaggatgat gatgatgctc agctactaca 420

gcaagcactt gctatgtcaa tggatga 447

<210> 8331
<211> 459
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189038d11b1

<400> 8331

ttgcccacgc gtccgcccac gcgtccgcca tccccccctt ccttccttcc ttcctccacc 60

cacctccccc ctctcctctc cggcgcgcct ccccccaccg gcgaatccgc aaccgaatcg 120

aatcccagga tccgcgtcgg cgggcggcgg cggaggcaca tggcgcaccg ggtggacaac 180

gagtacgact acctcttcaa gatcgtgctc atcggcgact ccggcgtcgg caagtccaac 240

atcctctccc gcttcacccg caacgagttc tgcctcgagt ccaagtccac catcggcgtc 300

gagttcgcca cccgcaccct ccaggtagaa ggcaagacaa ttaaggctca gatatgggat 360

actgctggcc aagagaggta ccgtgcaatc acaagtgctt actacagggg agctgtggga 420

gctctnttgg tgatgacata acaaagaagc tatcattcg 459

<210> 8332
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038d12b1

<400> 8332

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cagatcttcg acagccgcgg caaccccacc gtcgaggttg atgtgtgctg ctcagatgga 180

accttcgcca gggccgccgt tcccagcggt gcatcaactg gtgtctatga agctttggag 240

ctgagggacg gtggatctga ctacttgggc aagggtgttt ccaaggctgt taacaatgtg 300

aactccatta ttgcacccgc tttggtcggc aaggacccta ccgctcaaac tgagctcgac 360

aactttatgg ttcagcagct tgatg 385

<210> 8333
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038e01b1

<400> 8333

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ccaggacttc tgcgtcgccg acctcgacgg caaggcaatc tcggtgaacg ggcacacatg 180

caagcccatg tcggaggccg gcgacgactt cctcttctca tccaagctgg ccaaggctgg 240

caacacgtcc actcctaacg gctcggccgt gacggagctc gatgtggcag agtggcccgg 300

cacaaacacg ctgggcgtgt ccatgaaccg cgtggacttt gcgcccggag gcaccaaccc 360

gtcacacatt cacccgcgtg ccaccgagat c 391

<210> 8334
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038e02b1

<400> 8334

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ctccggtagg ccaggtagtt aacagctcca gcagccatgg gaaaggagaa gatccacatc 120

agcattgtgg tcattggcca tgtcgactct ggcaagtcaa ccacgactgg ccacctcatc 180

tacaagcttg gaggcattga caagcgtgtg attgagaggt ttgagaagga agccgctgag 240

atgaacaaga ggtctttcaa gtatgcctgg gtgcttgaca agctcaaggc tgagcgtgag 300

aggggtatca ccattgatat tgctctgtgg aaattcgaga ccaccaagta ctcctgcact 360

gtcattgatg ctcctggtca ccgtgatttc atcaagaaca tgatcaccg 409

<210> 8335
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038e03b1

<400> 8335

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ttcattccca ccatgagcaa gccatgcgac ggtgccaatc ccaagacgga gtggcctgag 120

ctggtcgggc gcacgatcaa ggaggcggag gagaagatca aggcggaccg accggacctc 180

aaagttgtca ttgtcccggt aggaagtgtt gtgacacagg aggtcgatct gaaccgcgtc 240

cgcgtctggg tcgacacagt ggcggaggtt cccaagattg gctaagctag cttgtaatta 300

gccaactgga ataaaagccc atgcaagtct caacatcgtc cagttaattt gccgaacaaa 360

taagcatggg tatg 374

<210> 8336
<211> 291
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038e04b1

<400> 8336

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ttcggtgctg ggaattatgg aatgtgtgga cgtgcataca gcccgaattt tttgttcatg 120

tggccaactg gtaggatatc tgttatgggt ggcattcagg cagctggtgt tctcgcccaa 180

atagagaaga acaacaggaa aaggcaagga gtggagtgga ccaaggatga cgaacaagcc 240

ttcaaagcca aagtcgtcgt ggcttatgac aaagaaggaa gcccgtacta c 291

<210> 8337
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038e05b1

<400> 8337

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catgcagaca aatgcccacc agacaatata tacgaggttc tggagaatca atttcggagt 120

gaagagaatg aagaaagtat agaagtgaaa gccactagtc agactgtttc aatcagccaa 180

accgaagaga ctgtgattta actgaggaac caaactgtta ttgtcttaag aggacgagac 240

tggatcattt atgcccgtag cagattattg ctttttcgaa tggattgact atagagggta 300

cggtcgggcc taataaactg ggatggaggt agtatttcat cacaaaaaaa tcacaaaaaa 360

ttacacatgt agtgtacatc catatgtgca tttagttttt ttggaac 407

<210> 8338
<211> 276
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038e07b1

<400> 8338

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agaagcggca ggacgagcgg gcggcggcgg ccgagcccac cttccagagc gtggcgctca 180

tcctcggctc cacggggatc gtcggcacct ccctcctcga catcctcccg cgggacgaca 240

ccccgggcgg gccctggaag gtgtccgccg tctccc 276

<210> 8339
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038e08b1

<400> 8339

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cgcttcgtca ggagctggga tccatgatga ctgcaagctg aggttcgtgg agctcaagtc 180

caagaggatg caccgcttca taacctacag gctggagaac cagaaggagg tcattgtgga 240

ccaaactggg gagcgcgagg ccacctatga ggacttcacc aagaccctgc ctgagaacga 300

ctgccgattc gcagtgtttg acttcgactt caccaccccg gaggatgtgc caaagagcag 360

gatcttctat atcttctggt ctcctgacac cgcaaaggtg aggagcaaga tgacgtacgc 420

gagcaccaac gagatgttca agaggaccct gga 453

<210> 8340
<211> 447
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038e09b1

<400> 8340

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agcggcgtcg gcatcctcgg gatcgcctgg gccttcggcg gcatgatctt cgtcctcgtc 180

tactgcaccg ccggcgtctc aggtggacac atcaacccgg cggtgacgtt cgggctgttc 240

ctggcgagga aggtgtcgct catccgggcg ctgctctaca tcattgcgca gtgcctcggc 300

gccatctgcg gcgtcgggct tgtcaagggc ttccagagct cctactacgt gcggtacggc 360

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atcggcacct tcgtgctcgt ctacacc 447

<210> 8341
<211> 410
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189038e11b1

<400> 8341

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gtcacctcgg gggccgccgc cgcgatggtc tccgcgctgc aggccctgcc cacgctcgtc 180

ccgggggtgt cctacctcca cgcgggcccc gtgctccgcc tccgctcgcc ggccgccgac 240

gcgctgggcc ccacccacct cctccactcc cgctacgcca ccaaggccga cctcgccgcc 300

tacgccgccc acccggctca cgtggccgcc gtgcaggcgc acatcgtccc caacgcgctc 360

gacaccaccg ncgtcgactg ggtcaacgcc gccgagtccc cgtcacccgt 410

<210> 8342
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038e12b1

<400> 8342

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gcggcgaagt ccaaccaggc cccaccggag ctccgaccat gggcggcgag aaggagaacc 120

tcgacctctc cgacctcaac agctccctcc ccgccgccgc cgccgccctc agcgccgagg 180

accgcgtcgg tctcgtcaat gccctgaagg ataagctgca gagcttggcg gggcagcacg 240

cggacgtgct cgagtcgctc tcgcccaatg tcaggacgcg tgttgagttt ctgaggggca 300

ttcagagcca acatgatgag attgaggcga agtttttt 338

<210> 8343
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038f02b1

<400> 8343

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tggaagcgcc accgcaaggt cgtccacccc gccttcaaca tggacaagct caagatgatg 120

acggtgacca tgtccgactg tgccgggtca atgatgtcgg agtggaaggc caagatggac 180

aaggggggca gcgtggagat tgatcttagc caccagtttg aggagctcac cgcggatgtc 240

atctctcaca cggcattcgg tagcagctac gaacagggga aaaaggtatt cctcgcgcag 300

agggagctcc agtttcttgc cttctccacc gtattcaacg tgcaaattcc agcattcaag 360

taccttccaa ccgaaaagaa cctcaagata tggaagcttg acaaggaggt gaggaccatg 420

ct 422

<210> 8344
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038f03b1

<400> 8344

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cccgccgtgc gccgcaaggc cgactgggcc ctgcgctgga tcgacggtgg ggagcgcttc 180

gccgagcgca tcgtcgcctt cgcctgcgtg gagggcatct tcttctcggg ctccttctgc 240

gccatcttct ggctcaagaa gcgcgggctc atgccgggcc tcaccttctc caacgagctc 300

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ggcaagctgg acgagtcacg cgtcttcgag atcg 394

<210> 8345
<211> 478
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038f04b1

<400> 8345

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agcggcagca ctagcaccac caccaccgcc ggcccccgta cgtctcccga tcggatcggc 120

cgtcgtcccc gccggcgagc gagcgagcga gcgatcaaga tggtgctctc ccacgccgcg 180

tcggctggat cctccgatga ctccgtgcac tccaccttcg cctcccgcta cgtccgcgcc 240

tccctgccca ggttccggat gccggagaac tcgatcccga aggaggcggc gtaccagatc 300

atcaacgacg agctgatgct ggacgggaac ccgcggctga acctggcgtc cttcgtcacc 360

acgtggatgg agcccgagtg caacaagctc atgatggact ccatcaacaa gaactacgtc 420

gacatggacg agtaccccgt aaccacagag ctccagaacc gatgtgtgaa catgatcg 478

<210> 8346
<211> 286
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038f06b1

<400> 8346

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ggagtaccgc tgcttcgtgg gcggcctcgc ctgggccacc gacgacaaca acctccagca 180

ggccttcagc cagtacggcg agatcctcga cgccaagatc atcaacgacc gcgagacggg 240

gaggtcccgc gggttcggct tcgtcacgtt cggcagcgag gagtcg 286

<210> 8347
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038f07b1

<400> 8347

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agccatggcc gccaagtgct acccgacggt cagcgacgag tacctggcgg cggtcgccaa 120

ggccaagcgc aagctccgcg gcttcatcgc cgagaagaac tgcgcgcccc tcatgctccg 180

cctcgcgtgg cactcggccg ggaccttcga cgtggccacc aagaccggcg gcccccttcgg 240

caccatgaag tgccccgcgg agctcgcgca cggcgccaac gccggcctcg acatcgccgt 300

caggctgctc gagcccatca aggagcagtt ccccatcctc tcctacgccg acttctacca 360

gctcgctgga gtcgtcgccg tcgaggtgac cggc 394

<210> 8348
<211> 179
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038f08b1

<400> 8348

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cccgccggcc gtggcccctg ccacccctac cccggtgccg gcgcccggcg cacccgttc 179

<210> 8349
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038f09b1

<400> 8349

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tgcaggtcct tctggtgagg atatgttcca ttggcaggca accattatgg gtcctgctga 180

tagtccctat gctggaggtg ttttcttagt gaatatccat ttccccccgg actacccctt 240

caagccgccg aaggtatcgt tcaagacaaa ggtcttccat ccgaacatca atagcaatgg 300

aagcatatgc cttgacattc tgaaggagca atggagtcct gctttgacaa tctctaaggt 360

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<210> 8350
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038f10b1

<400> 8350

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agtcagcaca agtcttgttc attcgttatc agcaactttg ctccgtgtaa gggtttatat 120

ctcgtgtgtt ttcttcgcaa aaaagtgctg gtaactcttc ctcttttaac attccccaag 180

ttgccaaatc tagagctcaa tatatagttg caaatctcaa cttgttagag aacaacaacg 240

atcctaggtt agtttgcaac gcttatcatt tcgcaaggca cggttaacta gaatactcga 300

tcggctgcac taatttccca cgagcagatt ctcac 335

<210> 8351
<211> 222
<212> DNA
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<223> Clone ID: uC-tsrow189038f11b1

<400> 8351

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ttgattgttc aggcttgtgc ttgcgatcct gtctaatctt gtactgaaat gagcattcct 180

gtgctctggt ttaataataa attgtgccca ggtatttatc tc 222

<210> 8352
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038f12b1

<400> 8352

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cagcgaggat tatatcatta accatctcaa gttcagggtt ttggtccacc cctaccaggc 120

acaaggtgat gttgtggtca cgagtgagga tggtgttgcc atggttgagt ctgaccgcaa 180

gagtggcttc cagattgttg gttttgaggt tgttccttgc agtgtgaagc gtgatcctgc 240

agccatggcc aagctcaaga tgtatgagaa ggttgactct gtgaactgcc cgttggagct 300

cgagaaatct caggtgatcc gtgaaaagga gcagattaca tttacctatg aggttgagta 360

tgtcaagagc aacatcaagt ggccgtcaag gtgggatgca tacc 404

<210> 8353
<211> 113
<212> DNA
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<223> Clone ID: uC-tsrow189038g02b1

<400> 8353

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cgactggggc aagtactacg cattcaagtc cttctacgac cccgtgaaga agc 113

<210> 8354
<211> 301
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038g03b1

<400> 8354

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tggacccaag ccggtcattt gtgctggcag catctgccga ctgcttgatc aagctttggg 120

actgggagaa tgactggacc agcgttcgaa cattcagtga acactcagac aatgtgcagc 180

aagtcatgtt acaccagcag gaaaccaaca cttttggcag tgtttcaaag gattgcaccg 240

caaaggactc gagcattact tctggtgatt ctttggccac attgagcagt aaatcacaac 300

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<210> 8355
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038g04b1

<400> 8355

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tctccaccct catcttcgtc ttcgccggcg tcggctctgc catcgcctac actaaggtga 180

gcggcggcgc gccccttgac ccatccgggc tgattgccgt ggcgatatgc cacgggttcg 240

ggctgttcgt cgcggtcgcc atcggcgcca acatctccgg cggccacgtg aaccctgccg 300

tcaccttcgg cctcgccctc ggcggccaga tcaccatcct caccggcatc ttctattggg 360

ttgcccagct cctcggtgcc atcgtcggcg cc 392

<210> 8356
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038g05b1

<400> 8356

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tgcgcggggg agacgccgga gatgggttcc tgcgcgtcgg tccacaagga ggacgtcgag 240

ctgcccaaga agcagcagct gctcgccccc tcgccgccgt ccaaggacgg caccccccgtc 300

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cctgactccg gtagcaagga tgagatg 387

<210> 8357
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038g06b1

<400> 8357

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tgggctcagg gcttgcatcc atggtgcttt tcgaggctaa catccttagc ctccttgctg 180

aggtcttgtc agccgtcttc tgcgaggtga tgaacggcaa gccggagtac accgaccact 240

tgacccacaa gttgaagcac caccccgggc agatcgaggc tgccgccatc atggaacata 300

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tgaagccaaa gcaagatagg tatgccctcc gcacatcacc gcagt 405

<210> 8358
<211> 458
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038g07b1

<400> 8358

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accggagcag ggatcgagcc cgccgaaggg gggaagacat ggggacactc gggcgcgcga 180

tctacacggt gggcaagtgg atccgtggaa cggggcaggc catggaccgc ctcggatcca 240

ccatccaggg cggcctccgc accgaggagc aggtgtcaag gcatcgtaca gtcatgagca 300

tatttgacaa ggagcctagg atcaacaaag atgtttttgt tgctcccagt gcatctgtca 360

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atgtcaacag tattcgtatt ggatctggat caaatata 458

<210> 8359
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038g08b1

<400> 8359

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cccgttccac ggccacgcca ccccctcct ccgcctcgcc agcgttctcc acacccgcgg 180

cttcgcggtg accatcttcc acaccgagct ccgggcgccc gacccggccg agtaccccgc 240

ggactaccgc ttcgtgcccc tgcgcgtgga cgtgcccccg gagctgatgg cgtccgagga 300

catcgcgggg atggtcacgg ccatgagcga gtactccgag gcgcccttca aggaacgcct 360

gaccgcggcg ctcgccgagg aaggcgccgg tgtccggtgc gtcatcgccg acg 413

<210> 8360
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038g09b1

<400> 8360

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tgaaagagca actgaaagca agcaggatta agatcttggc tgccttcctg gtcttcgcca 120

tggttactca aggcttcgcg attcgtgtca aggggacagt gaggaatgac atgacagatg 180

aggctatcag cacgaaaacc accctcggtg caggcagcag cacaacggtg gacaaccacc 240

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gt 302

<210> 8361
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038g10b1

<400> 8361

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acccctcgac gtcgtccatg gcgctgcagt acgtggaggc gcagcggcag gcgcggccgg 180

acctcgccga ctggtacgcc gacctcgccg acctctacca gcgcaagctc tggcaccagc 240

tcaccctcaa gctcgaccaa ttcctccaga tcccggccgc acagactggc gacacgctca 300

tacagctcta caacaatttc atctccgatt tcgaaacaaa aatcaatttg ctcaaac 357

<210> 8362
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038g11b1

<400> 8362

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gaacctacct tgccctgatg actgtcgtct tcttctgggt tatccacaag acggacttct 180

tcacaaacaa attcggtgtc aggtcaatca gagacagtga gtttgagatg atgtctgcac 240

tgtacctcca agtcagtatt gtgagccagg ctcttatatt cgtgactcgt tcacgtagct 300

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ttgcaacact catcgctgtc ta 382

<210> 8363
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038g12b1